MACHEREY-NAGEI



Safety Data Sheet

according to Regulations 1907/2006/EC (REACh) and 2015/830/EU

REF: 918101	NANOCOLOR Lead, without CCl4	Page: 1/14
Printing date: 02.06.2020	Date of issue: 16.03.2020	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	Product identifier		
1.1	REF Product name	918101 NANOCOLOR Lead, withou	ut CCl4
	REACH Registration number(s): A registration number for the subs the substance or its use is exclude		annual tonnage does not require registration or
		1 x 15 mL Lead R1 2 x 75 mL Lead R2 3 x 100 mL Lead R3 1 x 20 g Lead R4 1 x 10 g Lead R5 1 x 5 g wadding	
1.2			e and uses advised against 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0
1.3	Details of the supplier of the s Manufactured by: MACHEREY-NAGEL GmbH & Co. Neumann-Neander-Str. 6-8, 52355 Tel.: +49 2421 969 0	KG	E-mail: sds@mn-net.com (msds@mn-net.com)
1.4	Emergency telephone numbe Outside Germany (DE): Call your r DE: Gemeinsames Giftinformations	egional Poisons Information S	ervice or call local Life Saving Service. 99089 Erfurt tel. +49 361 730 730

You find our current versions of SDS (22 languages) in Internet:

http://www.mn-net.com/SDS

SECTION 2: Hazard identification

Signal word

2.0 Classification of the complete product



DANGER





Hazard identification Hazard classes/categories EUH032 not defined H225 Flam. Liq. 2 H290 Met. Corr. 1 H300 Acute Tox. 1 oral H302 Acute Tox. 4 oral H310 Acute Tox. 1 derm. Acute Tox. 4 derm. H312 Skin Irrit. 2 H315 H317 Skin Sens. 1 H319 Eye Irrit. 2 H330 Acute Tox. 1 inh. Carc. 2 STOT RE 2 H351 H373 H400 Aquatic Acute 1 H410 Aquatic Chronic 1



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Safety Data Sheet

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2.1	Classification of the substa	ance or mixture	
	15 mL Lead R1		
		GHS02	
	Signal word	DANGER	
	Hazard identification	Hazard classes/categories	
	H225	Flam. Liq. 2	
	75 mL Lead R2		
		\wedge	
		GHS07	
	Signal word	WARNING	
	Hazard identification	Hazard classes/categories	
	H315 H319	Skin Irrit. 2 Eye Irrit. 2	



Signal word

DANGER

Hazard identification	Hazard classes/categories
EUH032	not defined
H300	Acute Tox. 1 oral
H310	Acute Tox. 1 derm.
H330	Acute Tox. 1 inh.
H410	Aquatic Chronic 1

20 g Lead R4



Signal word

GHS09 GHS07 GHS08 WARNING Hazard identification Hazard classes/categories al rm.

H290	Met. Corr. 1
H302	Acute Tox. 4 ora
H312	Acute Tox. 4 der
H315	Skin Irrit. 2
H317	Skin Sens. 1
H319	Eye Irrit. 2
H351	Carc. 2
H373	STOT RE 2
H400	Aquatic Acute 1



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10 g Lead R5		
Signal word	Do not need labelling as hazardous -	
No hazard class		
5 g wadding		
Signal word	Do not need labelling as hazardous	
Signal word	-	
No hazard class		

2.2 Label elements

According CLP directive inner packages must be only labelled with GHS symbol(s) and product identificator(s) (EU 1272/2008 Annex I - 1.5.1.2).

Harmful chemicals/mixtures with signal word: WARNING and highly flammable chemicals/mixtures must not be labelled with H and P phrases until 125 mL (EU 1272/2008 Annex I - 1.5.2). This labelling exemption is NOT valid for sensibilizing substances. Metal corrosive solutions do not have to be labelled with GHS symbol, signal word, H and P phrases until 125 mL (EU 1272/2008 Annex I - 1.5.2.1.3).

15 mL Lead R1



Signal word: DANGER

75 mL Lead R2



100 mL Lead R3



GHS09

Signal word: DANGER

H300, H310, H330, H410, EUH032 Fatal if swallowed. Fatal in contact with skin. Fatal if inhaled. Very toxic to aquatic life with long lasting effects. Contact with acids liberates very toxic gas.

P260sh, P280sh, P301+310, P302+352, P391, P405 Do not breathe dust/vapours. Wear protective gloves/eye protection. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. IF ON SKIN: Wash with plenty of water. Collect spillage. Store locked up.

20 g Lead R4





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Signal word: WARNING		
H317. H351		

May cause an allergic skin reaction. Suspected of causing cancer.

P261sh, P280sh Avoid breathing dust/vapours. Wear protective gloves/eye protection.

10 g Lead R5

Do not need labelling as hazardous Signal word: -

5 g wadding

Do not need labelling as hazardous Signal word: -

2.3 Other hazards

Possible hazards from physicochemical properties

In the case of pH values are less than 5 or higher than 9 then it is irritant. Flammable properties. ---

Information pertaining to particular risks to human and possible symptoms

Cause severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities. May cause sensitization by skin contact, also in repeated contact of small amounts. Suspected of causing cancer.

Information pertaining to particular risks to the environment

Very toxic to aquatic life with long lasting effects. Avoid contact of substance/mixture to environment. PBŤ: not applicable vPvB: not applicable

Other hazards

SECTION 3: Composition/information on ingredients

3.1 Substances or 3.2 Mixtures

15 mL Lead R1 Chemical: ethanol CAS No.: 64-17-5 (denatured with 1%IPA/1%MEK, acc.2016/1867/EU) Classification: H225, Flam. Liq. 2 Formula: C2 H6 O; C2 H5 OH ethyl alcohol, methylated spirit Pseudonym: TSCA Inventory: listed REACH Reg. No .: 01-2119457610-43-xxxx 200-578-6 603-002-00-5 EC No .: Indice No.: RTECS: KQ6300000 MFCD: 00003568 KF No . KF-13217 Concentration: 75 - <90 % acc. CLP (GHS): H225, Flam. Liq. 2 Chemical: CAS No .: indicator dye(s) Classification: No criteria for classification or naming of chemical not required. TSCA Inventory: all listed, <1% Concentration: 0.1 - <1 % acc. CLP (GHS): The criteria for classification are not fulfilled.

75 mL Lead R2



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REF: 918101 Brinting date: 02.06.20		NANOCOLOR Lead,		Page: 5/*
Printing date: 02.06.20	20	Date of issue: 16.03.2	2020	
		onia solution		CAS No.: 1336-21-6
	Classification: Formula:	H314, Skin Corr. 1B, H335, STOT NH ₃ •H ₂ O	SE 3, H400, Aquatic	Acute 1
	Pseudonym:	ammonium hydroxide, Aqua ammo	nia, aqueous ammor	nia
	TSCA Inventory: REACH Reg. No.:	listed 01-2119488876-14-xxxx, 01-21199	82985-14-XXXX	
	EC No.:	215-647-6	Indice No .:	007-001-01-2
	RTECS: KE No.:	BQ9625000 KE-01688, >10% Toxic 97-1-184	MFCD:	00011418
	Concentration:	1 - <5 %		
	acc. CLP (GHS):	H315, Skin Irrit. 2, H319, Eye Irrit. 2	2	
100 mL	Lead R3			
		sium cyanide		CAS No.: 151-50-8
	Classification: 1, EUH032, not defi		ite Tox. 2 derm., H33	30, Acute Tox. 2 inh., H410, Aquatic Chroni
	Formula:	KCN		
	TSCA Inventory: REACH Reg. No.:	listed 01-2119486407-29-xxxx		
	EC No.:	205-792-3	Indice No.:	006-007-00-5
	RTECS: KE No.:	TS8750000 KE-29092, >1% Toxic 97-1-90	MFCD:	00011397
	Concentration:	7 - <15 %	Correlation factor:	
		o weight percent of the metal (according to CLF	•	C Annex VI, 1.1.3.2 Note 1) 30, Acute Tox. 2 inh., H410, Aquatic Chroni
	acc. CLP (GHS): 1, EUH032, not defi		ne Tox. 2 denn., Hos	50, Acute Tox. 2 Init., H410, Aquatic Childh
00				
20 g Le		xylammonium chloride		CAS No.: 5470-11-1
	Classification:	H290, Met. Corr. 1, H302, Acute To		te Tox. 4 derm., H315, Skin Irrit. 2, H317,
	Skin Sens. 1, H319, Formula:	Eye Irrit. 2, H351, Carc. 2, H373, ST NH ₂ OH•HCI/ H ₄ CINO	OT RE 2, H400, Aqu	atic Acute 1
	Pseudonym:	hydroxylamin hydrochloride		
	TSCA Inventory: REACH Reg. No.:	listed as intermediate		
	EC No.:	226-798-2	Indice No.:	612-123-00-2
	RTECS: KE No.:	NC3675000 KE-20602, >1% Toxic 97-1-411	MFCD:	00051089
	Concentration:	80 - <100 %		
	acc. CLP (GHS):	H290, Met. Corr. 1, H302, Acute To Eye Irrit. 2, H351, Carc. 2, H373, ST		te Tox. 4 derm., H315, Skin Irrit. 2, H317,
	Skill Sells. 1, H319,	Eye IIII. 2, h351, Calc. 2, h373, 510	JT RE 2, H400, Aqu	
10 g Le		/		
	Chemical: Dithiz	one (metal indicator) H315, Skin Irrit. 2, H319, Eye Irrit. 2)	CAS No.: 60-10-6
	Formula:	C ₁₃ H ₁₂ N ₄ S		
	Pseudonym: TSCA Inventory:	2-phenyl-diazenecarbothioic acid-2 listed	-phenylhydrazide	
	EC No.:	200-454-1		
	RTECS:	LQ9450000	MFCD:	00003025
	Concentration: acc. CLP (GHS):	0.1 - <1 % The criteria for classification are not fulfilled.		
	Chemical: sodiul	m chloride		CAS No.: 7647-14-5
	Classification:	No criteria for classification or naming of che	mical not required.	
	Formula: Pseudonym:	NaCl salt		
	TSCA Inventory:	listed		
	REACH Reg. No.: EC No.:	exempt, Annex V 231-598-3		
	RTECS:	VZ4725000		
	KE No.: Concentration:	KE-31387		
		50 - <80 %		
	acc. CLP (GHS):	The criteria for classification are not fulfilled.		

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5 g wadding

3.3 Remarks

When not listed, mixtures are added with water [CAS No. 7732-18-5] to 100%.

List of H and P phrases: see section 16.1

SECTION 4: First aid measures

4.1 Description of first aid measures

Place insured person out of danger zone to fresh air immediately. Ensure quiet, warmth, and provide resuscitation if necessary. If necessary contact medical advice. Remove contaminated clothing. Show product package, packing insert and this material safety data sheet to the doctor. Take to a doctor, in a raised position if there are breathing difficulties.

4.1.1 After SKIN Contact

Remove contaminated clothing immediately. Rinse the affected skin or mucous membrane thoroughly for min. 15 minutes under running water. (If possible) use soap. Avoid neutralisation. Then apply a loose bandage.

4.1.2 After EYE Contact

After contact with the eyes rinse thoroughly under running water with the eyelid wide open with eye washing bottle, eye douche or running water (protect intact eye).

4.1.3 After INHALATION of vapours

After inhalation of foam or vapour fresh air should be inhaled. Keep airways free. If vomiting and if insensible place patient in recovery position and keep airways free. Administer a Dexamethasone spray as soon as possible. Ensure quiet, warmth, and provide resuscitation if necessary. In the event of respiratory distress ensure that the patient inhales oxygen. Secure the breathing, heart and circulatory function. ---

4.1.4 After ORAL Intake

After oral intake lots of water with activated charcoal supplement should be drunk after it has been ingested. ---

4.2 Most important symptoms and effects, both acute and delayed

May cause sensitization by skin contact, also in repeated contact of small amounts. CMR Effects: Suspected of causing cancer. ---

4.3 Indication of any immediate medical attention and special treatment needed

After SKIN CONTACT rinse with water for a long time. Apply glucocorticosteroides following inflammatory reactions. In the event of RESPIRATORY DISTREES ensure that the patient inhales oxygen. TOXIFICATION: Treat symptomatically. Secure the breathing, heart and circulatory function. Remove the substance quickly from the body. Mechanically induce vomiting or ensure the patient eats medicinal charcoal compressed tablets or drinks aluminium oxide drug suspensions. In order to ensure rapid passage through the colon (administer 2 tablespoons of dissolved Glauber's salt). Alleviation of pain, if necessary sedation. Shock treatment. Administer a prophylaxis to counter pulmonary oedema.

Inform patient respectively further measures and the possibility of long-term damages. ---

SECTION 5: Firefighting measures

5.1 Extinguishing media

Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

5.2 Special hazards arising from the substance or mixture

DANGER: Highly flammable (GHS regulation). Forms explosive vapour-air mixtures. Formation of hazardous and caustic vapour-air mixtures possible. --

5.3 Advice for firefighters

No, for listed product. Product package burns like paper or plastic. Spray any vapours released with water. Retent fire water. Use only acid-resistant safety equipment.

For great amount - if necessary - protective breathing apparatus which is independent of the ambient air (isolated equipment), and sealed protective clothing is necessary in the event of a large-scale formation of toxic substances.

5.4 Additional information

Danger for environment only in the event of a large-scale leakage or formation of hazardous substances. ---

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapours. Wear suitable protective gloves (see 8.2.2). Wear eye protection. Regular staff training is necessary, indicating hazards and precautions on the basis of operating instructions. Restrictions on activity must be observed.

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6.2	Environmental precautio	IS			
	not necessary, contains only sma				
6.3	Bind any escaping liquid with iner Clean any contaminated equipme	containment and cleaning up t absorbent. And dispose in accordance to local regulations for the dis nt and floors with plenty of water. quid and flush with water into drains.	sposal of hazardous chemicals.		
6.4	Reference to other sections see information in section 5.4				
SEC	TION 7: Handling and st	orage			
7.1	Precautions for safe han Handling in accordance with the t	Jling est instruction, that comes with the product. Use only in well-ventilate	d working areas.		
7.2		ge, including any incompatibilities IACHEREY-NAGEL allows a safe storage. Products containing also t 3 3	oxic substances should be kept		
7.2.1	or preferably separate from s	oms and containers es tightly closed during handling and storage, and store in a well-ven ubstances with which a hazardous reaction could take place, so that Use inbreakable container for transport of glass bottles.			
7.3	Specific end use(s) Product for analytical use.				
SEC	TION 8: Exposure contr	ols/personal protection			
8.1	Control parameters				
	15 mL Lead R1 Chemical: <i>ethanol</i> DNEL: DNEL = Derived No-Effect PNEC(fresh water) :	[derm] 343 mg/kg; [inh] 950 mg/m³ Level (for workers) 0.96 mg/L	: 64-17-5		
	`PNEC = Prédicted No Effe TRGS 900 (DE):	ted Concentration 200 mL/m ³ / 380 mg/m ³ E/e respirable			
		atory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) certainly excluded		
	SUVA(CH) MAK value: NIOSH: [TWA] Time-weighted aver OSHA:	500 ppm / 960 mg/m ³ [TWA] 1000 ppm / 1900 mg/m ³ age to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-r [TWA] 1000 ppm / 1900 mg/m ³	ninute period		
	Chemical: <i>indicator dye</i> (s		:-		
	75 mL Lead R2 Chemical: ammonia solu		: 1336-21-6		
	DNEL: DNEL = Derived No-Effect PNEC(fresh water) :				
	PNEC _(fresh water) : PNEC = Predicted No Effe EU value: TRGS 900 (DE):	20 ppm / 14 mg/m³ 20 ppm / 14 mg/m³			
	Short-term exposure factor: skin resorptive (H), respir	E/e respirable 2 (I), Y atory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (*	Y) certainly excluded		
	SUVA(CH) MAK value: NIOSH: NIOSH STEL: [TWA] Time-weighted aver	20 ppm / 14 mg/m ³ [TWA] 25 ppm / 18 mg/m ³ 35 ppm / 27 mg/m ³ age to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-r			
	OSHA:	Yes (TQ = 15000 lbs) - n/a; [TWA] 50 ppm / 35 mg/m³			
			144444 000 0		

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	100 mL Lea				
	Chemical: EU value:	potassium cya		CAS No.: 15	51-50-8
	TRGS 900 (DE):	CN: [TWA] 1 / [STEL] 5 mg/m ³ [CN 8h] 1 / [15min] 5 mg/m ³ E/e respirable		
		exposure factor: esorptive (H), respira	(4), H	Sh), teratogenic (Z) not securely excluded / (Y) ca	ertainly excluded
	SUVA(CH) NIOSH:	MAK value:	5 _{CN} e mg/m ³ not listed		
	[TWA]	SH STEL: Time-weighted avera		EL] Short-term exposure limit related to a 15-minu	
	OSHA: 10 ppm / 11	mg/m³	EPCRA/SARA Section 302 Extre	emely Hazardous Substances Yes (TPC	Q = 100 lbs) n/a; TWA _{skin, HCN}
	20 g Lead F Chemical: TRGS 900 (hydroxylammo	nium chloride 1.5 mg/m³ E/e respirable	CAS No.: 54	470-11-1
	NIOSH: [TWA]	Time-weighted avera	not listed	EL] Short-term exposure limit related to a 15-minu	ite period
	OSHA:		not listed		
	10 g Lead R Chemical:	R5 Dithizone (met	al indicator)	CAS No.: 60	10.6
	Chemical:	sodium chlorid		CAS No.: 76	
			-		
	5 g wadding –	-			
8.2		and extraction sy	stem in the room, floor resistant ained at the workplace.	to chemicals with floor drainage and wa	ashing facilities. The highest
8.2.1	Respiratory	protection		ction filter, class A/AX. No additional rec	commendations.
8.2.2	Hand prote Yes, gloves or KCL). Use	according EN 37	4 (permeation time >30 min - lev chemical resistant latex gloves wi	el 2), consist of PVC, natural latex, Neo th code EN 374-3 level 1.	pren, or Nitril (f.ex. from Ansell
8.2.3	Eye protect Yes, safety		g EN 166 with integrated side shi	elds or wrap-around protection.	
8.2.4	Skin protec Recommend		amination with these hazards.		
8.2.5	Personal hygiene Eating, drinking, smoking, taking snuff and storage of food in work areas and at outdoor workplaces is prohibited. Avoid contact with the skin, eyes and clothing. Rinse any clothing on which the substance has been spilled, and soak it in water. Wash hands thoroughly with soap and water when stopping work and before eating, and then apply protective skin cream.				
SECT	TION 9: Physi	ical and ch	emical properties		
9.1	Information	on basic phy	sical and chemical prope	erties	
	15 mL Lead Appearance pH: Flash point:		Colour: colourless 2-3 18 °C	Odor: alcoholic	

Solubility in water:	
75 mL Lead R2	
Appearance: liquid	
pH:	
Specific gravity:	
Solubility in water:	

Specific gravity:

Colour: colourless 9-10 0,99 g/cm³ 0-100 %

0,91 g/cm³ 0-100 %

Odor: aminic

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100 mL Lead R3 Appearance: liquid pH: Solubility in water:	Colour: colourless 12-13 0-100 %	Odor: bitter almond	
20 g Lead R4 Appearance: solid pH: Solubility in water:	Colour: colourless 4-5 0-45 %	Odor: odorless	
10 g Lead R5 Appearance: powder (solid) pH:	Colour: green 6-8	Odor: odorless	
5 g wadding Appearance: solid pH: Solubility in water:	Colour: colourless - -	Odor: odorless	

9.2 Other information

Data for the other parameters of the mixtures are not available, because no registration and no chemical safety report is required. **Relevant Properties of Substance Group**

Substances are very volantile and form flammable vapour-air mixtures. ---

SECTION 10: Stability and reactivity

10.1 Reactivity

no further data available.

- 10.2 Chemical stability
- No known instability.
- 10.3 Possibility of hazardous reactions Possible: Contact with acids liberates toxic gas. No further data available.

10.4 Conditions to avoid

Not necessary. Observe labeled storage temperature. ---

10.5 Incompatible materials

Avoid contact with strong acids or alkalines.

10.6 Hazardous decomposition products

In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Following information is valid for pure substances. Quantitative data on the toxicity of this product are not available.

15 mL Lead R1

Chemical:	ethanol	CAS No.: 64-17-5
TSCA Inventory:	lis	sted California Proposition 65 List: not listed
ACGIH:	10	000 ppm
Exposure Routes:	in	ihalation, ingestion, skin and/or eye contact
Target Organs:	E	yes, skin, respiratory system, central nervous system, liver, blood, reproductive system
Symptoms:	irr	ritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, exhaustion), narcosis; cough;
liver damage; anemia;	reproduc	ctive, teratogenic
Australia NICNAS:	no	ot listed Canada CEPA 1999: DSL yes
Japan CSCL/PRTR:	no	ot listed, Japan PDSCL: not listed
Japan ISHL:	lis	sted ≥0,1%/≥0,1%, Article 57-2 (SDS required)
South Korea TCCA:		ot listed
Korea Exist.Chem.Inve	entory: Kl	E-13217
LD50 _{orl rat} :	62	200 mg/kg
LC_Low _{ihl gpg} :	21	1.9 g/m ³
LC Loworl hmn :	14	400 mg/kg



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: US: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984 Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: +33 388 51 76 88 Fax: +1 484 821 1272 Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com E-mail: sales-us@mn-net.com



Printing date: 02.06.2020 Delete of issue: 16.03.2020 LG50p; memory: [40] 80 pt/m1 LG50p; memory: [10] 81 pt/m1 LG50p; memory: [11] 81 pt/m1 TSCA Inventory: [11] 81 pt/m1 Target Organs: Eyes, sin, respiratory system Synthesis [11] pt/m1 Target Organs: Eyes, sin, respiratory system Synthesis [11] pt/m1 Japan CSCLPHTR: mol Isled Japan CSCLPHTR: potassium cyanide Clowing: Japan CSCLPHTR: Japan CSCLPHTR: potassium cyanide Clowing: Japan CSCLPHTR: Jap	REF: 918101	NANOCOLOR Lead, without CCl4 Page: 10/
LCSON: at: [10] 20 gm² LDSOn: at: 20 000 mg/kg LDSOn: at: 20 000 mg/kg TRGS 905 (DE); K5, M5, Ry C Chemical: indicator dy(s) CAS No.:- 75 mL Lead R2 Chemical: annonis solution California Proposition 65 List: not listed Exposure Routes: inhalation, ingestion (solution), skin and/or sys contact (solution)(qui) Target Organic Expression, insertion (solution), skin and/or sys contact (solution)(qui) Target Organic Expression, insertion (solution), skin and/or sys contact (solution)(qui) Target Organic Expression, insertion (solution), skin and/or sys contact (solution)(qui) Target Organic Expression, insertion (solution), skin and/or sys contact (solution)(qui) Target Organic Expression, investication system pink forthy sputture, skin burns, vestadellon; Australia NUCNAS: not listed, Japan PDSCL: Deleterious Substances Japan ISHL: in terms, vestadellon; Cuest Exposure Routes: information organic formation (solution), skin and/or sys contact Substances (Schedule 1) Yes (tem 53) Japan CSCLPRTR: not listed, Japan PDSCL: Deleterious Substances Japan ISHL: in terms, Stong mg/kg LCSON: at: is: (41) 2000 ppm LCSON: at: is: not listed Chemical: potensolution without the organic system. Generate hemoglobin (function; deprive body tissues of gymptome: companysis, tess of considuances Symptome: companysis, tess of considuances Sumptome: companysis, tess of considuances Sumptome: company State (Sch 198, 2016); Col Lais 1, Japan PDSCL: Poisonous Substance Japan CSCLPRTRI: Poisonous substance, PTR: 21,0% CN Laiss J, Japan PDSCL: Poisonous Substance Japan CSCLPRTRI: Poisonous Substance, PTR: 21,0% CN Laiss J, Japan PDSCL: Poisonous Substance Japan CSCLPRTRI: poisonous Substance, PTR: 21,0% CN Laiss J, Japan PDSCL: Poisonous Substance Japan CSCLPRTRI: Poisonous Substance, PTR: 21,0% CN Laiss J, Japan PDSCL: Poisonous Substance Japan CSCLPRTRI: company and Jauntite. Tress 905 (DE): Ke CC 29 g Lead R4 Austr	Printing date: 02.06.2020	Date of issue: 16.03.2020
LCSON: at: [10] 20 gm² LDSOn: at: 20 000 mg/kg LDSOn: at: 20 000 mg/kg TRGS 905 (DE); K5, M5, Ry C Chemical: indicator dy(s) CAS No.:- 75 mL Lead R2 Chemical: annonis solution California Proposition 65 List: not listed Exposure Routes: inhalation, ingestion (solution), skin and/or sys contact (solution)(qui) Target Organic Expression, insertion (solution), skin and/or sys contact (solution)(qui) Target Organic Expression, insertion (solution), skin and/or sys contact (solution)(qui) Target Organic Expression, insertion (solution), skin and/or sys contact (solution)(qui) Target Organic Expression, insertion (solution), skin and/or sys contact (solution)(qui) Target Organic Expression, investication system pink forthy sputture, skin burns, vestadellon; Australia NUCNAS: not listed, Japan PDSCL: Deleterious Substances Japan ISHL: in terms, vestadellon; Cuest Expression (Solution), its in and/or sys contact Substances (Schedule 1) Yes (tem 53) Japan CSCLPRTR: not listed, Japan PDSCL: Deleterious Substances (Schedule 1) Yes (tem 53) Japan CSCLPRTR: Solo mg/m LCSOn: at: is: (41) 2000 ppm LCSOn: at: is: not listed Chemical: potensolution substance, PTR2: 10% (Ch class), Japan PDSCL: Poisonous Substance Japan CSCLPRTR: Poisonous substance, PTR2: 10% (Ch class), Japan PDSCL: Poisonous Substance Japan CSCLPRTR: Poisonous substance, PTR2: 10% (Ch class), Japan PDSCL: Poisonous Substance Japan CSCLPRTR: Poisonous substance, PTR2: 10% (Ch class), Japan PDSCL: Poisonous Substance Japan CSCLPRTR: Poisonous Substance, PTR2: 10% (Ch class), Japan PDSCL: Poisonous Substance Japan CSCLPRTR: Poisonous Substance, PTR2: 10% (Ch class), Japan PDSCL: Poisonous Substance Japan CSCLPRTR: Poisonous Substance, PTR2: 10% (Ch class), Japan PDSCL: Poisonous Substance Japan CSCLPRTR: Poisonous Substance, PTR2: 10% (Ch class), Japan PDSCL: Poisonous Substance Japan CSCLPRTR: Cause expressing at a class of the poison of vap		
LCSON rot : 1000 20 g/m ² LDBOwn to : 20 000 mg/kg LDBOwn to : 30 000 mg/kg TRGS 905 (DE): K5, MS, Ry C Chemical: indicator dyr(s) CAS No. :- 75 mL Lead R2 Chemical: indicator dyr(s) Tage Organs. Expession control (solution) CAS No. : 1336-21-6 TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: inhalation, ingestion (solution), skin andror sys contact (solution)liquit) Tage Organs. Expession, investory into the solution contact, impairments of health when ingested in small california Proposition 55 List: not listed Exposure Routes: inhalation, ingestion (solution), skin andror sys contact (solution)liquit) Tage Organs. Expession, investory of the solution information information information information of the solution information information information in the solution of the solution information information in the solution information information of the solutin inf	LC50ibl mouse :	[4h] 39 a/m³
LDSQm materials 3450 mg/kg LDSQm materials 3450 mg/kg TRGS 905 (DE): K5, M5, R-C Chemical: infidiator (pg/kg) CAS No.:- TSCA Inventory: all listed. <1%. 75 mL Lead R2 CAS No.:- TSCA Inventory: is listed. CAS No.:- TSCA Inventory: is listed. CAS No.:- TSCA Inventory: is listed. CAS No.:- TSCA Inventory: is listed. Castor is listed. CAS No.:- TSCA Inventory: is listed. Castor is listed. CAS No.:- TSCA Inventory: is listed. Castor is listed. Cas	LC50ibl rat :	
LD50 _{out nouse} : <u>3450</u> mg/kg TRGS 905 (DE): K5, M5, R _F C Chemical: <i>indicator dyreg</i> : all listed, <1% 75 mL Lead R2 Chemical: <i>ammonis solution</i> CAS No::1336-21-6 TSGA inventory: Isted California Proposition 65 List not listed Exposure Routes: inhalation, ingestion (solution), skin and/or eye contact (solution)(suid) Targel Organis: Eyes, skin, respiratory system Symptoms: minister of the start of the sta	LD50drm rbt :	
Tests 905 (UE): K.S. K.S. C.G. Tests 905 (UE): K.S. K.S. C.G. Tests 1001 (UE): K.S. K.S. K.S. C.G. Tests 1001 (UE): K.S. K.S. K.S. C.G. Tests 1001 (UE): K.S. K.S. K.S. K.S. C.G. Tests 1001 (UE): K.S. K.S. K.S. K.S. K.S. K.S. K.S. K.S.		
Chemical: indicator dye(s) CAS No.: - TSCA Inventory: i all listed, <1%		
TSCA Inventory: all filsiod, <1% TS on L Lead R2 Chernicat: anrmonia solution California Proposition 65 List: not listed Exposure Routes: inhalation, ingestion (solution), skin and/or eye contact (solution/liquid) Exposure Routes: inhalation, ingestion (solution), skin and/or eye contact (solution/liquid) Target Organs: Eyes, skin, respiratory system Symptoms: miritation eyes, nose, threat; dyspnea (breathing difficulty), wheezing, chest pain; pulmonary edema; pink forby sputum; skin hours, vesicalation; i Australia NUCNAS: not listed Canada CEPA 1999; DSL yes, Toxic Substances (Schedule 1) Yes function of SCL/PHTR: not listed 30.2%ko/1%, Article 57-2 (SDS required) apan ISHL: listed 30.2%ko/1%, Article 57-2 (SDS required) South Korea TCCA: not listed California Proposition 65 List: not listed Target Organs: act on blood or hematopoietic system: decrease hemoglobin function, deprive body tissues of comprome: cypanosis; loss of consolutionses Australia NICNAS: not listed California Proposition 65 List: not listed Target Organs: act on blood or hematopoietic system: decrease hemoglobin function, deprive body tissues of comprome: cypanosis; loss of consolutionses Australia NICNAS: not listed California Proposition 65 List: not listed Target Organs: act on blood or hematopoietic system: decrease hemoglobin function, deprive body tissues of comprome: cypanosis; loss of consolutionses Australia NICNAS: not listed California Proposition 65 List: not listed Target Organs: act on blood or hematopoietic system: decrease hemoglobin function, deprive body tissues of comprome: cypanosis; loss of consolutionses Australia NICNAS: not listed California Proposition 65 List: not listed Target Organs: act on blood or hematopoietic system: decrease hemoglobin function, deprive body tissues of comprome: cypanosis; loss of consolutionses Australia NICNAS: not listed California Proposition 65 List: not listed California Proposition 65 List: not listed California Proposition 65 List: not listed Califoria Proposition 65 List: not liste		
Chemical: ammonia solution California Proposition 65 List. to listed Exposure Routes: inhalation, ingestion (solution), skin and/or eye contact (solution/liquid) Target Organs: Eyes, skin, respiratory system Symptoms: inflation eyes, nose, throat, dyspinea (breathing difficulty), wheezing, chest pain: pulmonary edema; pink frothy spulm; skin burns, vessiculation; i Australia INCNAS: not listed Japan PDSCL: Deleterious Substance Japan ISHL isted 20,2%/20,1%, Antole 57-2 (SDS required) Japan CSCL/PRTR: of 1814 do 20%/20,1%, Antole 57-2 (SDS required) Japan CSCL/PRTR: isted 20,2%/20,1%, Antole 57-2 (SDS required) Some Exerce TCCA. Instead 20,2%/20,1%, Antole 57-2 (SDS required) Some Exerce TCCA: isted 30,2%/20,1%, Antole 57-2 (SDS required) Some Exerce TCCA. Instead 20,2%/20,1%, Antole 57-2 (SDS required) Some Exerce TCCA: isted 30,2%/20,1%, Antole 57-2 (SDS required) Convert Exerce TCCA: isted 30,2%/20,1%, Antole 57-2 (SDS required) Convert Exerce TCCA: isted 30,2%/20,1%, Antole 57-1184 DSOme TCCA. Instead 50,000 mg/m LDSOme TCCA: isted California Proposition 65. List. not listed Target Organs: act on blood or hemato-poletic system: decrease hemoglobin function; deprive body tissues of oxygen Symptoms: cyanosis; loss of consciousness Australia NICNAS: not listed Canada CEPA 1999; DSL Yes Japan CSCL/PRTR: Poisonous Substance, PRTR: 21,0% CN class I, Japan PDSCL: Poisonous Substance Japan ISHL: isted 21,0%/21,0%, Antole 57-142 (Labeling&SDS required) South Korea TCCA: not listed Corea Exist.Cheminventory: KE-20092, 1+8 Toxic 97-142 (Labeling&SDS required) South Korea TCCA: not listed Canada CEPA 1999; DSL Yes Japan CSCL/PRTR: to SMS, Mg/Mg LDSOm res: 4, 5 mg/Mg LDSOm res: 5, mg/Mg Acute Effects: Cause severe after real intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. The Mg/Mg Acute Effects: Cause after real intake, inhalation of vapours, skin contact, impairments of health when ingested in small quant CSCL/PRTR: not listed Californ		
Chemical: armonia solution California Proposition 65 List. to listed Exposure Routes: inhalation, ingestion (solution), skin and/or eye contact (solution/liquid) Target Organs: Eyes, skin, respiratory system Symptoms: inflation eyes, nose, throat dyspinea (breathing difficulty), wheezing, chest pain: pulmonary edema; pink forthy sputum; skin burns, vessiculation; i Australia NICNAS: not listed Japan PDSCL: Deleterious Substance Japan ISHL, issued 20,2%20,1%, Antole 57-2 (SDS required) Japan CSCL/PRTR: not listed 20,2%20,1%, Antole 57-2 (SDS required) Some Exist TCCA. Instead 20,2%20,1%, Antole 57-1.184 Doore Exist TCCA. Instead 20,2%20,1%, Antole 57-1.184 Doore Exist TCCA. Instead 20,2%20,1%, Antole 57-1.184 Doore Exist TCCA. Instead 20,2%20,1%, Antole 57-1.2% (SDS required) LDSOme nat : [5min] 5000 mpm LDSOme nat : [5min] 5000 ppm LDSOme nat : [5min] 5000 ppm LDSOme nat : [5min] 5000 ppm LDSOme nat : [5min] 5000 spm Symptoms: cyanosis; loss of consciousness Australia NICNAS; not listed Canada CEPA 1999; DSL Yes Japan CSCL/PRTR: Poisonous Substance Japan PDSCL: Toisonous Substance Japan ISHL: Isted 21,0%21,0%, Antole 57-1+2 (Labelling&SDS required) South Korea TCCA: not listed Korea Exist Cheminventory: K-20092, 1% Toxic 97-142 (Labelling&SDS required) DOSO _{DOT} nat : 4,50X,3 mg/kg LDSO _{DOT} nat : 4,50X,3 mg/kg LDSO _{DOT} nat : 4,50X,3 mg/kg LDSO _{DOT} : Rr C 205 g Lead R4 Chemical: hydroxylammonium choride Canada CEPA 1999; DSL Yes Japan CSCL/PRTR: not listed California Proposition 65 List: not listed Korea Exist Cheminventory; K-20092, -1% Toxic 97-1411 LDSO _{DOT} i fisted California Proposition 15 List: not listed South Korea TCCA:		
TSCA Inventory: listed California Proposition 65 List: not listed Bypoure Routes: inhaliton eyes, nose, threat; dyspnes (breathing difficulty), wheezing, chest pain; pulmonary edema; pink forthy sputum; skin burns, vesiculation; I Australia NICANS: not listed Canada CEPA 1999: DSL yes, Toxic Substances (Schedule 1) Yes (Item 53.) Japan GSL_IPRTR: not listed, Japan PDSCL: Deleterious Substance Schedule 1) Yes (Item 53.) South Korea TCCA: listed ao 274/0,1%, Article 57-2 (SDS required) not item 400,200,000,000,000,000,000,000,000,000,	75 mL Lead R2	
Exposure Roules: inhalation, ingestion (solution), skin and/or eye contact (solution/liquid) Target Organs: Eyes, skin, respiratory system Symptoms: inflation eyes, nose, throat, dyspnea (breathing difficulty), wheezing, chest pain; pulmonary edema; pink frothy sputum; skin burns, sexiculation; 1 Australia NICNAS: not listed (apan PDSCL: Deleterious Substance lapan ISHL: listed 20,2%/e0,1% Toxic 97-1-184 LD50urf tar: 350 mg/kg LC Lowth them: 500 mg/	Chemical:	ammonia solution CAS No.: 1336-21-6
Target Organs: Eyes, skin, respiratory system Symptoms: initiation eyes, nocs, threat, dyspinea (breathing difficulty), wheezing, chest pain; pulmonary edema; pink forthy sputum; skin burns, vesiculation; i Australia NICNAS: not listed Canada CEPA 1999: DSL yes, Toxic Substances (Schedule 1) Yes (Item 53.) Japan OSCL/PRTR: not listed do 2%/2%/20,1%, Article 57-2 (SDS required) South Korea TCCA: not listed Norea Exist Chem.Inventory: K-01688, 10% Toxic 97-1-184 LGOurna: going kg L Command: potessium cyanide CAS No:: 151-50-8 TSCA Inventory: LSG Inventory: Isted Chemical: potessium cyanide Castor, int isted California Proposition 65 List: not listed Target Organs: act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of oxygen Symptoms: cyanasis; loss of consciousness Australia North Korea col North Korea South Korea TCCA: not listed South Korea col North Korea South Korea col North Korea South Korea col Nock Col North Korea South Korea col Nock Col North Korea South Kore	TSCA Inventory:	listed California Proposition 65 List: not listed
symptoms: inflation eyes, hose, throat; dyspnea (breathing difficulty), wheezing, chest pain; pulmonary edema; prix frothy sputum; skin burgs, vesiculation; i dustralia NICNAS: not listed Canada CEPA 1999: DSL yes, Toxic Substances (Schedule 1) Yes (Item 53.) Japan CSCL/PRTR: not listed Japan PDSCL: Deleterious Substance Japan ISHL: listed 20.2%/c21, Sk, Article 57.2 (SDS required) South Korea TCCA: not listed LDSOur nat: 350 mg/kg LC_LOWIN hmm: 5000 mg/m LDSOur nat: jSminl 5000 ppm LDSOur nat: on blood or hemato-poietic system: decrease hemoglobin function, deprive body tissues of oxygen Symptoms: cyanosis; loss of consciousness Australia NICNAS: not listed Tarage Organs: act on blood or hemato-poietic system: decrease hemoglobin function, deprive body tissues of oxygen Symptoms: cyanosis; loss of consciousness Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: Poisonous Substance, PRTR: 17, 10% CN class LJ, Japan PDSCL: Poisonous Substance Japan SHL: listed ±1,0%/c1,0%, Article 57.1±2 (Labelling&SDS required) not kforea TCCA: not listed Korea Exist Cheminery: KE-29092, 21% Toxic 97.1±0 LDSOur nat: 5 mg/kg LC_LOW timm: 2.86 mg/kg LDSOur nat: 6 Mg/kg LDSOur nat: 6 Mg/kg LDSOur nat: 7 A mg/k	Exposure Routes:	inhalation, ingestion (solution), skin and/or eye contact (solution/liquid)
pink frothy sputure: skin burns, vesiculation; I Canada CEPA 1999: DSL yes, Toxic Substances (Schedule 1) Yes Australia N(XANS: not listed Canada CEPA 1999: DSL yes, Toxic Substances (Schedule 1) Yes Japan (SCL/PRTR: inot listed, Japan PDSCL: Deleterious Substance Japan (SCL/PRTR: inot listed, Japan PDSCL: Substance South Korea TCCA: not listed Korea Exist.Chem/Inventory: KE-01688, >10% Toxic 97-1-184 LDSOgarrat: 500 mg/m² LC Solvirat: 1000 mg/m² LC Solvirat: 1000 mg/m² LOSOgarrat: 5000 mg/m² LOSOgarrat: 1000 opm LDSOgarrat: 1000 opm Subtration N(LNA): on blood or hemato-poletic system: decrease hemoglobin function; deprive body tissues of oxygen South Korea TCCA: not listed Canada CEPA 1999: DSL Yes Japan (SLL: Isted >10%c10%, Article 57-1+2 (Labeling&SDS required) South Korea TCCA: not listed 20%c10%, Article 57-1+2 (Labeling&SDS required) South Korea TCCA: not listed Calforni		
Australia NICNAS: not listed Canada CEPA 1999: DSL yes, Toxic Substances (Schedule 1) Yes Japan CSCL/PRTR: not listed Japan PDSCL: Deleterious Substance Japan ISHL: listed 40.2%/ko/1%, Article 57-2 (SDS required) South Korea TCCA: not listed LD50ur nat: 350 mg/kg LC_Lowni hmm: 500 mg/m LCS0at nat: (41) 2000 ppm LD50gm nbt: [5min] 5000 ppm Symptoms: cat on blood or hemato-poletic system: decrease hemoglobin function; deprive body tissues of oxygen Symptoms: cyanosis; loss of consciousness Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: Poisonous substance, PRTR: 21,0% CN class 1, Japan PDSCL: Poisonous Substance Japan SHL: Isted Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: Poisonous substance, PRTR: 21,0% CN class 1, Japan PDSCL: Poisonous Substance Japan CSCL/PRTR: 143-333, mg/kg LD50or mat: 2.6 mg/kg<		
Japan CSCL/PRTR: not listed Japan PDSCL: Deleterious Substance Japan ISHL: listed 20,2%/20,1%, Article 57-2 (SDS required) South Korea TCCA: not listed Korea Exist. Chem.Invertory: Ke:01688, >10% Toxic 97-1.184 LDSOutrat: 3500 mg/m ³ LCSObitrat: [5min] 5000 ppm LDSOdm.tst: [5ted California Proposition 65 List: not listed Target Organs: act on blood or hemato-poletic system: decrease hemoglobin function; deprive body tissues of oxygen Symptoms: cyanosis; loss of consciousness Australia NICNAS: not listed California Proposition 65 List: not listed Japan CSCL/PRTR: Poisonous substance, PRTR: 21,0% CN class I, Japan PDSCL: Poisonous Substance Japan ISHL: listed 21,0%/s1,7142 (Labeling&SDS required) South Korea TCCA: not listed Korea Exist.Chem.Inventory: Ke: 20092, >1% Toxic 97-1.90 LDSOut ntn: 2,86 mg/kg LDSOgm.ts: 4 mg/kg LDSOgm.ts: 7 mg/kg Acute Effects: Cause severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in smail quantities. TRGS 905 (DE): RF C 20 g Lead R4 Chemical: hydroxylammonium chloride California Proposition 65 List: not listed Exposure Routes: - Appan ISHL: insted California Proposition 65 List: not listed Exposure Routes: - Appan ISHL: not listed Korea Exist.Chem.Inventory: Ke: 20092, >1% Toxic 97-1.411 LDSOutrat: hydroxylammonium chloride California Proposition 65 List: not listed Korea Exist.Chem.Inventory: Ke: 20092, >1% Toxic 97-1.411 LDSOutrat: not listed Korea Exist.Chem.Inventory: Ke: 20092, >1% Toxic 97-1.411 LDSOutrat: not listed Korea Exist.Chem.Inventory: Ke: 20092, >1% Toxic 97-1.411 LDSOutrat: Not existed in smail quantities. Chronie Effects: Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in smail quantI	Australia NICNAS:	
South Korea TCCA: not listed Korea Exist. Chem.Invertory: KE-01688, >10% Toxic 97-1.184 LC50hr rat: 500 mg/m² LC50hr rat: 600 mg/m² LC50hr rat: 6100 mg/m² LC50hr rat: 6100 mg/m² LC50hr rat: 6100 mg/m² LC50hr rat: 7100 mL Lead R3 Chemical: potassium cyanide CAS No.: 151-50-8 TSCA Inventory: listed California Proposition 65 List: not listed Target Organs: act on blood or hemato-poletic system: decrease hemoglobin function; deprive body tissues of oxygen Symptoms: octanoide CEPA 1999: DSL Yes Australia NICNAS: not listed substance, PRTR: 21.0% CN class I, Japan PDSCL: Poisonous Substance Japan CSCI/PRTR: Poisonous Substance, PRTR: 21.0% CN class I, Japan PDSCL: Poisonous Substance Japan CSCI/PRTR: Poisonous Substance, PRTR: 21.0% CN class I, Japan PDSCL: Poisonous Substance Japan SSLIPHT: Poisonous Substance, PRTR: 21.0% CN class I, Japan PDSCL: Poisonous Substance Japan SSLIPHT: Poisonous Substance, PRTR: 21.0% CN class I, Japan PDSCL: Poisonous Substance Japan SSLIPHT: Poisonous Substance, PRTR: 21.0% CN class I, Japan PDSCL: Poisonous Substance Japan SSLIPHT: Poisonous Substance, PRTR: 21.0% CN class I, Japan PDSCL: Poisonous Substance Japan SSLIPHT: Poisonous Substance, PRTR: 21.0% CN class I, Japan PDSCL: Poisonous Substance Japan SSLIPHT: Poisonous Substance, PRTR: 21.0% CN class I, Japan PDSCL: Poisonous Substance Japan SSLIPHT: 75 Sa mg/kg LD50ort ms: 8.5 mg/kg LD50stort SI Morea TCCA: not listed South Korea TCCA: not listed California Proposition 65 List: not listed to death even when only ingested in small quantities. TRGS 905 (DE): Re C 20 g Lead R4 Chemical: hydroxylammonium chloride California Proposition 65 List: not listed Korea Exist.Chem.Inventory: KE-20002, 1% Toxie 97-1411 LD50drima: 640 Korea Exist Chem.Inventory: KE-20002, 1% Toxie 97-1411 LD50drima: 641 mg/kg Acute Effect: Auy cause damage to ryans through prolonged or repe	Japan CŚCL/PRTR	
Korea Exist Chem.Inventory: KE-01888, >10% Toxic 97-1-184 DSGorrat: 500 mg/m² LC_Lowith Imm. 5000 ng/m² LCSOutrat. [4h] 2000 pm LDSGutter Trict [5min] 5000 ppm Chemical: potassium cyanide California Proposition 65 List: not listed Target Organs: act on blood or hemato-pointic system: decrease hemoglobin function; deprive body tissues of oxygen Symptoms: cyanosis; loss of consciousness Australia NICNAS: not listed Japan CSCL/PRTR: Poisonous substance, PRTS: 10% CN class I, Japan DSCL; Poisonous Substance Japan CSCL/PRTR: Poisonous substance, PRTS: 10% CN class I, Japan DSCL; Poisonous Substance Japan CSCL/PRTR: Poisonous substance, PRTS: 10% CN class I, Japan DSCL; Poisonous Substance Japan CSCL/PRTR: Poisonous substance, PRTS: 210% CN class I, Japan DSCL; Poisonous Substance Japan CSCL/CRTR: Poisonous Substance, PRTS: 210% CN class I, Japan DSCL; Poisonous Substance Japan CSCL/CRTR: Poisonous Substance, PRTS: 210% CN class I, Japan CSCL, Poisonous Substance Japan CSCL/CRTR: Smg/kg LDSOgutari: 4 mg/kg LDSOgutari: 7.8 mg/kg LDSOgutari: 7.8 mg/kg LDSOgutari: 6.25 mrti.		
LD50urrat: 350 mg/kg LC50urrat: [4h] 2000 ppm LD50urrat: [5min] 5000 ppm 100 mL Lead R3 Chemical: potassium cyanide CAI fornia Proposition 65 List: not listed Target Organs: act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of ovygen Symptoms: cyanosis; loss of consciousness Australia NICAAS: not listed Canton Listed Canton (CPA 1999; DSL Ves Japan CSCL/PRTF; Poiesonous substance, PRTF; 21,0% CN class I, Japan PDSCL; Poisonous Substance Japan SCL/PRTF; Poisonous substance, PRTF; 21,0% CN class I, Japan PDSCL; Poisonous Substance Japan SCL/PRTF; Isted 21,0%/z1,0%, Article 57-1+2 (Labelling&SDS required) South Korea TCCA: not listed Korea Exist Chem.Inventory; KE-29092, 21% Toxic 97-1-90 LD50drr rat: 5 mg/kg LD50drr rat: 7.8 mg/kg LD50drr rat: 7.8 mg/kg LD50drr rat: 7.8 mg/kg LD50drr rat: 7.8 mg/kg Australia NICMAS: not listed California Proposition 65 List: not listed Exposure Routes: - Australia NICMAS: Not Intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. TRGS 905 (DE): RF C		
LC_Lowinimm: 5000 mg/m ³ LC50m rat: [4h] 2000 pm LD50gm rbt: [5min] 5000 ppm 100 mL Lead R3 Chemical: potassium cyanide California Proposition 65 List: not listed Target Organs: act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of oxygen Symptoms: cyanosis; loss of consciousness Australia NCNAS: not listed Canada CEPA 1999: DSL Yes Japan ISHL: tisted ± 1,0%-1,0%, Article 57-1+2 (Labelling&SDS required) South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-29092, >1% Toxic 97-1-90 LD50gm rat: 5 mg/kg LD50gm rat: 6 mg/kg LD50gm rat: 7.8 mg/kg Australia NCNAS: not listed California Proposition 65 List: not listed Exposure Routes: - Symptoms: - Australia NCNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: Poisonous substance 97-1-90 LD50gm rat: 5 mg/kg LD50gm rat: 7.8 mg/kg LD50gm rat: 7.8 mg/kg Australia NCNAS: not listed California Proposition 65 List: not listed Exposure Routes: - Symptoms: - Australia NCNAS: not listed California Proposition 65 List: not listed Exposure Routes: - Symptoms: - Australia NCNAS: not listed California Proposition 65 List: not listed South Korea TCCA: Route listed South Korea TCCA: Route listed South Korea TCCA: Route listed South Korea TCCA: Not listed South Korea TCCA: Route listed South Korea TCCA: Route listed South Korea TCCA: Route listed South Korea TCCA: Cause after oral Intake, inhalation of vapours/dust, skin contact, linpairments of health when ingested in small quantifies. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause damage to organs t		
LC50 _{bt} rat: [41] 2000 ppm LD50 _{dtm rbt} : [5min] 5000 ppm 100 mL Lead R3 Chemical: potassium cyanide California Proposition 55 List: not listed Target Organs: at on blood or hemato-poletic system: decrease hemoglobin function; deprive body tissues of oxygen Symptoms: cyanosis; loss of consciousness Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: Polsonous substance, PRTR: 21,0% Ch class I, Japan PDSCL: Polsonous Substance Japan CSCL/PRTR: Polsonous substance, PRTR: 21,0% Ch class I, Japan PDSCL: Polsonous Substance Japan CSCL/PRTR: 5 mg/kg LD50 _{dtm tat} : 5 mg/kg LD50 _{dtm tat} : 5 mg/kg LD50 _{dtm tat} : 7 å mg/kg LD50 _{dtm tat} : 6 s mg/kg LD50 _{dtm tat} : 7 å mg/kg LD50 _{dtm tat} : 7 å mg/kg LD50 _{dtm tat} : 6 s mg/kg LD50 _{dtm tat} : 7 å mg/kg LD50 _{dtm tat} : 7 å mg/kg LD50 _{dtm tat} : 6 s mg/kg LD50 _{dtm tat} : 7 å mg/kg LD50 _{dtm tat} : 7 å mg/kg LD50 _{dtm tat} : 141.33.3 mg/kg LD50 _{dtm tat} : 7 å mg/kg LD50 _{dtm tat} : 7 å mg/kg LD50 _{dtm tat} : 7 å mg/kg LD50 _{dtm tat} : 9 fmg/kg LD50 _{dtm tat} : 141.33.3 mg/kg LD50 _{dtm tat} : 141.33.3 mg/		
LD50 _{dum tot} : [Smin] 5000 ppm 100 mL Lead R3 Chemical: potassium cyanide CAS No.: 151-50-8 TSCA Inventory: listed California Proposition 65 List: not listed Target Organs: act on blood or hemato-poteit system: decrease hemoglobin intotion; deprive body tissues of orygen Symptoms: cyanosis; loss of consciousness Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: Poisonous substance, PRTR: 21,0% CN class I, Japan PDSCL: Poisonous Substance Japan ISHL: listed 21,0% 21,0% Article 57.1+2 (Labelling&SDS required) South Korea TCCA: not listed Korea Exist. Chem.Inventory: KE-29092, >1% Toxic 97-1-90 LD50µr rat: 5 mg/kg LD50µr rat: 6.3 mg/kg LD50µr rat: 7.8 mg/kg LD50µr rat: 1.3 mg/kg LD50µr rat: 7.8 mg/kg LD50µr rat: 8.5 mg/kg LD50µr rat: 7.8 mg/kg LD50µr rat: 7.8 mg/kg LD50µr rat: 0.4 mg/kg Acute Effects: Cause severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. TRGS 905 (DE): RF C 20 g Lead R4 Mastralia NICNAS: not listed California Proposition 65 List: not listed South Korea TCCA: not listed Chere Exist. Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause damage to organs through prolonged or repeated exposure.		
100 mL Lead R3 Chemical: potassium cyanide CAS No.: 151-50-8 TSCA Inventory: listed California Proposition 65 List: not listed Target Organs: act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of oxygen Symptoms: cyanosis; loss of consciousness Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: Poisonous substance, PRTR: 21,0% CM class I, Japan PDSCL: Poisonous Substance Japan CSCL/PRTR: Poisonous substance, PRTR: 21,0% CM class I, Japan PDSCL: Poisonous Substance Japan CSCL/PRTR: Poisonous substance, PRTR: 21,0% CM class I, Japan PDSCL: Poisonous Substance Japan CSCL/PRTR: Poisonous substance, PRTR: 21,0% CM class I, Japan PDSCL: Poisonous Substance Japan CSCL/PRTR: Poisonous Substance, PRTR: 21,0% CM class I, Japan PDSCL: Poisonous Substance Japan CSCL/PRTR: Poisonous Substance, PRTR: 21,0% CM class I, Japan PDSCL: Poisonous Substance Japan TSCL howen hum: 2.86 mg/kg LD50drinus: 5 mg/kg LD50drinus: 6.8 mg/kg LD50drinus: 7.8 mg/kg LD50drinus: filed California Proposition 65 List: not listed cast No :: 5470-11.1 TSCA Invento		
Japan ISHL: listed ≥1,0%/≥1,0%, Article 57-1+2 (Labelling&SDS ⁻ required) South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-29092, >1% Toxic 97-1-90 LD50 _{oft rat} : 5 mg/kg LC_Lowort hmn: 2.86 mg/kg LD50 _{oft rat} : 4 mg/kg LD50 _{oft rat} : 4 mg/kg LD50 _{oft rat} : 7.8 mg/kg LD50 _{oft rat} : 7.8 mg/kg LD50 _{oft rat} : 7.8 mg/kg Chemical: hydroxylammonium chloride CAS No.: 5470-11-1 TSCA Inventory: TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: - Australia NICNAS: not listed South Korea TCCA: not listed South Korea Exit.Chem.Inventory: Kisde Japan CSCL/PRTR: not listed South Korea TCCA: not listed South Korea Exit.Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 LD50 Japan CSCL/PRTR: not listed South Korea Exit.Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 LD50 Listed	Chemical: TSCA Inventory:	listed California Proposition 65 List: not listed
Korea Exist.Chem.Inventory: KE-29092, >1% Toxic 97-1-90 LD50 _{oft rat} : 5 mg/kg LD50 _{oft rat} : 2.86 mg/kg LD50 _{oft rat} : 4 mg/kg LD50 _{oft rat} : 4 mg/kg LD50 _{oft rat} : 7.8 mg/kg Chemical: <i>nydroxylammonium chloride</i> CAS No.: 5470-11-1 TSCA Inventory: Isted California Proposition 65 List: not listed Exposure Routes: - Symptoms: - Australia NICNAS: not listed Capaa CSL/PRTR: not listed South Korea TCCA: not listed South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 _{oft rat} : 14 mg/kg Acute Effects: Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities.	Chemical: TSCA Inventory: Target Organs: oxygen Symptoms:	listed California Proposition 65 List: not listed act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of cyanosis; loss of consciousness
LC_L0Wort hmn: 2.86 mg/kg LD50dmr bt: 14.3-33.3 mg/kg LD50jrat: 4 mg/kg LD50jrat: 8.5 mg/kg LD50sur rat: 7.8 mg/kg Acute Effects: Cause severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. TRGS 905 (DE): RF C Common in state in small quantities. TRGS 905 (DE): RF C CAS No.: 5470-11-1 TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: - - Symptoms: - Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: not listed Agan ISHL: not listed Korea Exist Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 _{off rat} : 141 mg/kg Acute Effects: Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause damage to organs through prolonged or repeated exposure.	Chemical: TSCA Inventory: Target Organs: oxygen Symptoms: Australia NICNAS: Japan CSCL/PRTR Japan ISHL:	listed California Proposition 65 List: not listed act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of cyanosis; loss of consciousness not listed Canada CEPA 1999: DSL Yes Poisonous substance, PRTR: ≥1,0% CN class I, Japan PDSCL: Poisonous Substance listed ≥1,0%/≥1,0%, Article 57-1+2 (Labelling&SDS required)
LD550dpm rbt: 14.3-33.3 mg/kg LD550pr rat: 4 mg/kg LD50opr rat: 7.8 mg/kg LD50scu rat: 7.8 mg/kg Acute Effects: Cause severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. TRGS 905 (DE): RF C 20 g Lead R4 Chemical: hydroxylammonium chloride CALISTOR CAS No.: 5470-11-1 TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: - - Symptoms: - - - Symptoms: - - - Japan CSCL/PRTR: not listed South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 _{off rat} : 141 mg/kg Acute Effects: Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause damage to organs through prolonged or repeated exposure.	Chemical: TSCA Inventory: Target Organs: oxygen Symptoms: Australia NICNAS: Japan CSCL/PRTR Japan ISHL: South Korea TCCA:	listed California Proposition 65 List: not listed act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of cyanosis; loss of consciousness not listed Canada CEPA 1999: DSL Yes Poisonous substance, PRTR: ≥1,0% CN class I, Japan PDSCL: Poisonous Substance listed ≥1,0%/≥1,0%, Article 57-1+2 (Labelling&SDS required) not listed
LD50dpm rbi: 14.3-33.3 mg/kg LD50dpm rat: 4 mg/kg LD50dpm rus: 8.5 mg/kg LD50dpm rus: 8.5 mg/kg LD50dpm rus: 7.8 mg/kg Acute Effects: Cause severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. TRGS 905 (DE): RF C Comparison of the severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. TRGS 905 (DE): RF C Comparison of the severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. CAS NO.: 5470-11-1 TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: - - Symptoms: - - Australia NICNAS: not listed Japan CSCL/PRTR: not listed South Korea TCCA: not listed Korea Exist. Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 _{ort rat} : 141 mg/kg Acute Effect	Chemical: TSCA Inventory: Target Organs: oxygen Symptoms: Australia NICNAS: Japan CSCL/PRTR Japan ISHL: South Korea TCCA: Korea Exist.Chem.It LD50 _{ort rat} :	listed California Proposition 65 List: not listed act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of cyanosis; loss of consciousness not listed Canada CEPA 1999: DSL Yes Poisonous substance, PRTR: ≥1,0% CN class I, Japan PDSCL: Poisonous Substance listed ≥1,0%/≥1,0%, Article 57-1+2 (Labelling&SDS required) not listed wentory: KE-29092, >1% Toxic 97-1-90 5 mg/kg
LD50 _{ort mus} : 8.5 mg/kg LD50 _{scu rat} : 7.8 mg/kg Acute Effects: Cause severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. TRGS 905 (DE): RF C 20 g Lead R4 Chemical: hydroxylammonium chloride CAS No.: 5470-11-1 TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: - Symptoms: - Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan ISHL: not listed South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 _{ort rat} : 141 mg/kg Acute Effects: Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause damage to organs through prolonged or repeated exposure.	Chemical: TSCA Inventory: Target Organs: oxygen Symptoms: Australia NICNAS: Japan CSCL/PRTR Japan ISHL: South Korea TCCA: Korea Exist.Chem.li LD50orl rat : LC Lowort hmn :	listed California Proposition 65 List: not listed act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of cyanosis; loss of consciousness not listed Canada CEPA 1999: DSL Yes Poisonous substance, PRTR: ≥1,0% CN class I, Japan PDSCL: Poisonous Substance listed ≥1,0%/≥1,0%, Article 57-1+2 (Labelling&SDS required) not listed nventory: KE-29092, >1% Toxic 97-1-90 5 mg/kg 2.86 mg/kg
LD50 _{scu rat} : 7.8 mg/kg Acute Effects: Cause severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. TRGS 905 (DE): RF C 20 g Lead R4 Chemical: hydroxylammonium chloride CAS No.: 5470-11-1 TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: - Symptoms: - Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: not listed, Japan PDSCL: Deleterious Substance Japan ISHL: not listed South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 _{off rat} : 141 mg/kg Acute Effects: Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause damage to organs through prolonged or repeated exposure.	Chemical: TSCA Inventory: Target Organs: oxygen Symptoms: Australia NICNAS: Japan CSCL/PRTR Japan ISHL: South Korea TCCA: Korea Exist.Chem.II LD50orl rat : LC_Loworl hmn : LD50drm rbt :	listed California Proposition 65 List: not listed act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of cyanosis; loss of consciousness not listed Canada CEPA 1999: DSL Yes Poisonous substance, PRTR: ≥1,0% CN class I, Japan PDSCL: Poisonous Substance listed ≥1,0%/≥1,0%, Article 57-1+2 (Labelling&SDS required) not listed nventory: KE-29092, >1% Toxic 97-1-90 5 mg/kg 2.86 mg/kg 14.3-33.3 mg/kg
Acute Effects: Cause severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even when only ingested in small quantities. TRGS 905 (DE): RF C 20 g Lead R4 Chemical: hydroxylammonium chloride CAS No.: 5470-11-1 TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: - Symptoms: - - Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: not listed Substance Japan ISHL: not listed South Korea TCCA: Not Refects: Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause damage to organs through prolonged or repeated exposure.	Chemical: TSCA Inventory: Target Organs: oxygen Symptoms: Australia NICNAS: Japan CSCL/PRTR Japan ISHL: South Korea TCCA: Korea Exist.Chem.lt LD50orl rat : LD50drm rbt : LD50drm rbt :	listed California Proposition 65 List: not listed act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of cyanosis; loss of consciousness not listed Canada CEPA 1999: DSL Yes Poisonous substance, PRTR: ≥1,0% CN class I, Japan PDSCL: Poisonous Substance listed ≥1,0%/≥1,0%, Article 57-1+2 (Labelling&SDS required) not listed nventory: KE-29092, >1% Toxic 97-1-90 5 mg/kg 2.86 mg/kg 14.3-33.3 mg/kg 4 mg/kg
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TRGS 905 (DE): RFC 20 g Lead R4 Chemical: hydroxylammonium chloride CAS No.: 5470-11-1 TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: - Symptoms: - Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: not listed, Japan PDSCL: Deleterious Substance Japan ISHL: not listed South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 _{oft rat} : 141 mg/kg Acute Effects: Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause damage to organs through prolonged or repeated exposure.	Chemical: TSCA Inventory: Target Organs: oxygen Symptoms: Australia NICNAS: Japan CSCL/PRTR Japan ISHL: South Korea TCCA: Korea Exist.Chem.It LD50orl rat : LD50orl rat : LD50orl rat : LD50orl mus : LD50orl mus : LD50orl mus :	listed California Proposition 65 List: not listed act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of cyanosis; loss of consciousness not listed Canada CEPA 1999: DSL Yes Poisonous substance, PRTR: ≥1,0% CN class I, Japan PDSCL: Poisonous Substance listed ≥1,0%/≥1,0%, Article 57-1+2 (Labelling&SDS required) not listed inventory: KE-29092, >1% Toxic 97-1-90 5 mg/kg 2.86 mg/kg 4 mg/kg 8.5 mg/kg 7.8 mg/kg
Chemical: hydroxylammonium chloride CAS No.: 5470-11-1 TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: - Symptoms: - Australia NICNAS: not listed Japan CSCL/PRTR: not listed, Japan PDSCL: Deleterious Substance Japan ISHL: not listed South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 _{orl rat} : 141 mg/kg Acute Effects: Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause damage to organs through prolonged or repeated exposure.	Chemical: TSCA Inventory: Target Organs: oxygen Symptoms: Australia NICNAS: Japan CSCL/PRTR Japan ISHL: South Korea TCCA: Korea Exist.Chem.II LD50 _{orl rat} : LD50 _{drm rbt} : LD50 _{drm rbt} : LD50 _{orl mus} : LD50 _{orl mus} : LD50 _{scu rat} : Acute Effects: Caus	listed California Proposition 65 List: not listed act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of cyanosis; loss of consciousness not listed Canada CEPA 1999: DSL Yes Poisonous substance, PRTR: ≥1,0% CN class I, Japan PDSCL: Poisonous Substance listed ≥1,0%/≥1,0%, Article 57-1+2 (Labelling&SDS required) not listed inventory: KE-29092, >1% Toxic 97-1-90 5 mg/kg 2.86 mg/kg 14.3-33.3 mg/kg 4 mg/kg 8.5 mg/kg 7.8 mg/kg e severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even
Chemical: hydroxylammonium chloride CAS No.: 5470-11-1 TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: - Symptoms: - Australia NICNAS: not listed Japan CSCL/PRTR: not listed, Japan PDSCL: Deleterious Substance Japan ISHL: not listed South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 _{orl rat} : 141 mg/kg Acute Effects: Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause damage to organs through prolonged or repeated exposure.	Chemical: TSCA Inventory: Target Organs: oxygen Symptoms: Australia NICNAS: Japan CSCL/PRTR Japan ISHL: South Korea TCCA: Korea Exist.Chem.li LD50 _{orl rat} : LD50 _{orl rat} : LD50 _{orl rat} : LD50 _{orl mus} : LD50 _{orl mus} : LD50 _{ord mus} : LD50 _{ord mus} : LD50 _{scu rat} : Acute Effects: Caus when only ingested	listed California Proposition 65 List: not listed act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of cyanosis; loss of consciousness not listed Canada CEPA 1999: DSL Yes Poisonous substance, PRTR: ≥1,0% CN class I, Japan PDSCL: Poisonous Substance listed ≥1,0%/≥1,0%, Article 57-1+2 (Labelling&SDS required) not listed nventory: KE-29092, >1% Toxic 97-1-90 5 mg/kg 2.86 mg/kg 14.3-33.3 mg/kg 4 mg/kg 8.5 mg/kg 7.8 mg/kg e severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even in small quantities.
TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: - Symptoms: - Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: not listed, Japan PDSCL: Japan ISHL: not listed South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-20602, >1% Toxic 97-1-411 LD50 _{orl rat} : 141 mg/kg Acute Effects: Cause after oral intake, inhalation of vapours/dust, skin contact, impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause damage to organs through prolonged or repeated exposure.	Chemical: TSCA Inventory: Target Organs: oxygen Symptoms: Australia NICNAS: Japan CSCL/PRTR Japan ISHL: South Korea TCCA: Korea Exist.Chem.II LD50 _{orl rat} : LD50 _{drm rbt} : LD50 _{drm rbt} : LD50 _{orl mus} : LD50 _{orl mus} : LD50 _{orl mus} : LD50 _{ord rat} : Acute Effects: Caus when only ingested TRGS 905 (DE):	listed California Proposition 65 List: not listed act on blood or hemato-poietic system: decrease hemoglobin function; deprive body tissues of cyanosis; loss of consciousness not listed Canada CEPA 1999: DSL Yes Poisonous substance, PRTR: ≥1,0% CN class I, Japan PDSCL: Poisonous Substance listed ≥1,0%/≥1,0%, Article 57-1+2 (Labelling&SDS required) not listed nventory: KE-29092, >1% Toxic 97-1-90 5 mg/kg 2.86 mg/kg 14.3-33.3 mg/kg 4 mg/kg 8.5 mg/kg 7.8 mg/kg e severe after oral intake, inhalation of vapours, skin contact, impairments of health or can lead to death even in small quantities.
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Carcinogenic Effe TRGS 907 (DE):	ects: Suspected of cau Sh	ising cancer.	
	on		
10 g Lead R5			
Chemical:	Dithizone (metal i	indicator)	CAS No.: 60-10-6
TSCA Inventory:	listed		
Chemical:	sodium chloride		CAS No.: 7647-14-5
TSCA Inventory:	listed	_	
Korea Exist.Chen LD50 _{orl rat} :	n.Inventory: KE-31387 3000 mg/		
LD50drm rbt :	10 g/kg	ng	
5 g wadding			
SECTION 12: Ecolog	ical informatio	on	
2.1 Toxicity			
Following information	on is valid for pure su	ibstances.	
15 mL Lead R1			
Chemical:	ethanol	0.96 mg/L	CAS No.: 64-17-5
PNEC = Predict	ater) : ed No Effected Concentration	on	
LC50 _{daphnia}	magna/48h	>100 mg/L	
LC50pimephal LC50leuciscus	les promelas/96h	13400 - 15100 mg/L [48h] 8140 mg/L	
LC50fish/96h		13 g/L	
EC50daphnia/		9.3-14.2 g/L	
	mus quadricauda/72h nonas putita/16h	[7d] 5000 mg/L [EC5] 6500 mg/L	
Water hazar	d class (DE):	1 WGK No.: 0096	
Dispersion c Storage clas	oefficient _(octanol-water) :	-0.31 3	
-	s (voi).	5	
Chemical: Storage clas	indicator dye	(s) 12-13	CAS No.: -
Storage das	s (VCI).	12-13	
75 mL Lead R2			
Chemical:	ammonia sol	lution 0.0011 mg/L	CAS No.: 1336-21-6
PNEC = Predict	rater) : ed No Effected Concentration	on	
LC50 _{fish/96h} :	:	0,89 mg/L	
EC50 _{daphnia/} Water hazar		101 mg/L 2 WGK No.: 0211	
Storage clas		8 B	
100 mL Lead R3			
Chemical:	potassium cy		CAS No.: 151-50-8
		asting effects. Avoid contact of substance/m e labelled with H and P phrases until 125 ml	
LC50daphnia		248h; 0.5324h mg/L	e (EO 1212/2000 / (intext = 1.0.2).
LC50fish/96h		0.45 mg/L	
EC50 _{daphnia} / IC50 _{scenedes}	48h mus quadricauda/72h	0.041 mg/L 0.03 _{8d} mg/L	
EC10 _{pseudor}	nonas putita/16h	EC10/16h: 0.001 mg/L	
Water hazar		3 WGK No.: 338	
Storage clas	s (VCI).	6.1 B	
6			



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according to Regulations 1907/2006/EC (REACh) and 2015/830/EU

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Printing of	date: 02.06.2020	Date of issue: 16.03.2020		
	Very toxic to aquatic life. Avoid con	nonium chloride Itact of substance/mixture to environment. e labelled with H and P phrases until 125 mL (1-10 mg/L 3 4.1 A	CAS No.: 5470-11-1 EU 1272/2008 Annex I - 1.5.2).	
	10 g Lead R5 Chemical: Dithizone (mo Water hazard class (DE):	etal indicator) 3	CAS No.: 60-10-6	
	Chemical: sodium chlor Water hazard class (DE): Storage class (VCI):	ide 1 12-13	CAS No.: 7647-14-5	
	5 g wadding			
12.2	Persistence and degradability not necessary			
12.3	Bioaccumulative potential not necessary			
12.4	Mobility in soil not necessary			
12.5	Results of PBT and vPvB assess no data available	ment		
12.6	Other adverse effects no additional data available			
SECTI	ON 13: Disposal consideration	ons		

Do not collect in acidic waste. May form toxic gases. Please observe local regulations for collection and disposal of hazardous waste and contact waste disposal company, where you will obtain information on laboratory waste disposal (waste code number 16 05 06). Close container tightly.

13.1 Waste treatment methods

Normally it is possible to empty small amounts (diluted!) into drains. Dispose of contents/container to regulated waste treatment.

SECTION 14: Transport information

14.1. UN number: 14.3. Class:		UN proper shipping Packing group: II	name: Chemical Kit
Road transport			
Classification code:	M11	Tunnel restriction co	de: E
Limited Quantity: Air transport	acc. ADR 3.3	.1/251: see LQ in Alter	rnative declaration for transportation
PAX:	960	max. weight PAX:	10 KG
CAO: Maritime transport	960	max. weight CAO:	10 KG
EmS:	F-A, S-P	Storage category:	A

Or use Alternative declaration for transportation:

14.1 UN number: 14.3 Class:		UN proper shipping name: Potassium cyanide solution Packing group: II
Road transport	T4	
Classification code: Limited Quantity:	T4 100 mL	Tunnel restriction code: E
Excepted Quantity:	E 4	
Air transport	054	
PAX:	654	max. weight PAX: 5 L
CAO:	662	max. weight CAO: 60 L
Maritime transport		
EmS:	F-A, S-A	Storage category: B
Maritime pollutant (5	.2.1.6):	P (Limited Quantity (LQ) until 5 L kg per inner package)

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according to Regulations 1907/2006/EC (REACh) and 2015/830/EU

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14.5 **Environmental hazards**

none, contains only small quantities of hazardous substances, contains only small amounts of these substances

- 14.6 Special precautions for user not necessary
- 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture German act governing protection from hazardous substances (Chemicals Act / Chemikaliengesetz- ChemG), revised on August 2013 German order governing protection from hazardous substances (Ordinance on Hazardous Substances / Gefahrstoffverordnung -GefStoffV), revised on November 2010, according to Directive 98/24/EC TRGS 200, German engineering rules governing the classification and labelling of hazardous substances, preparations and products, updated October 2011 MN Leaflet/User manual, also see www.mn-net.com Look for your country-specific regulations. 15.2 Chemical safety assessment

not necessary for these small amounts ---

SECTION 16: Other information

16.1 List of H and P phrases

1 1 - 4 - 4 - - 1 16.1.1

1.1	List of relevant	H phrases			
	H225	Highly flammable liquid and vapour.			
	H290	May be corrosive to metals.			
	H300	Fatal if swallowed.			
	H302	Harmful if swallowed.			
	H310	Fatal in contact with skin.			
	H312	Harmful in contact with skin.			
	H315	Causes skin irritation.			
	H317	May cause an allergic skin reaction.			
	H319	Causes serious eye irritation.			
	H330	Fatal if inhaled.			
	H351	Suspected of causing cancer.			
	H373	May cause damage to organs through prolonged or repeated exposure.			
	H400	Very toxic to aquatic life.			
	H410	Very toxic to aquatic life with long lasting effects.			
	EUH032	Contact with acids liberates very toxic gas.			
1.2	List of relevant	List of relevant P phrases			
	P201	Obtain special instructions before use.			
	P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.			
	P233	Keep container tightly closed.			
	P260D	Do not breathe vapours.			
	P260sh	Do not breathe dust/vapours.			
	P261sh	Avoid breathing dust/vapours.			
	P264W	Wash with water thoroughly after handling.			
	P273	Avoid release to the environment.			
	P280sh	Wear protective gloves/eye protection.			
	P301+310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.			
	P301+312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.			
	P302+352	IF ON SKIN: Wash with plenty of water.			
	P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.			
	P310	Immediately call a POISON CENTER/doctor.			
	P330	Rinse mouth.			
	P390	Absorb spillage to prevent material damage.			
	P391	Collect spillage.			
	P403+233	Store in a well-ventilated place. Keep container tightly closed.			



16.1

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Store locked up.

16.2 Training advice

Multiple safety training of staffs about danger and protection by using hazards in working area. Additionally training and introduction of staffs for using these products.

16.3 Recommended restriction on use

Only for professional user.

Look about employee restrictions for young people (f. ex. 94/33/EC or DE § 22 JArbSchG)! Look about employee restrictions for pregnant women and nursing women (f.ex. 92/85/EEC or for DE §§ 11-13 MuSchG 2017)! An individual package of this product or test kit has a moderate hazardous potential.

16.4 Further information

MACHEREY-NAGEL GmbH & Co. KG provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

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16.5 Sources of key data

Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETSRegulation 487/2013/EU, 4th adaptation of CLP regulation to technical and scientific progressRegulation 669/2018/EU, 4th adaptation of CLP regulation to technical and scientific progressRegulation 1480/2018/EU, 4th adaptation of CLP regulation to technical and scientific progressTRGS 900, German engineering rules governing limits in air at work, updated 03/2019SUVA .CH, Limits in air at work 2009, revised on 01.2009TRGS 907, German engineering rules governing listing of substances and causes of sensitizations, updated November 2011KÜHN, BIRETTMerkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

Revisions/Updates

Reason for Revision: 2016-03 Adaptation of regulation 1221/2015/EU 2017-08 Adaption of new ethanol denaturation 2016/1867/EU

