

Version 1

Reviewed on 01/14/2019

# Printing date 01/14/2019

#### **1** Identification

- · Product identifier
- · Product Description: Phenalkamine Adduct
- Product code: LITE 5262
- · Application of the substance / the mixture Coating
- · Details of the supplier of the safety data sheet
- **Manufacturer/Supplier:** Cardolite Corporation 140 Wharton Road Bristol, PA 19007 United States Tel: 1-800-322-7365 Regulatory@cardolite.com
- · Information department: Product safety department
- · Emergency telephone number: 24 Hour Emergency: 800-424-9300 CHEMTREC

## 2 Hazard(s) identification

#### · Classification of the substance or mixture

GHS08 Health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS05 Corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

Flam. Liq. 4 H227 Combustible liquid.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



· Signal word Danger

- · Hazard-determining components of labeling:
- 1,3-Cyclohexanedimethanamine 3-Aminopropyldimethylamine Butanol

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Ethylenediamine	(Contd. of page
•	
Hazard statements	
H227 Combustible liquid.	
H314 Causes severe skin burns and eye damage.	
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled	1.
H317 May cause an allergic skin reaction.	
Precautionary statements	alathian Diasa alin wi
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated	ciotning. Rinse skin wi
water/shower.	Domovio contrat langos
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. present and easy to do. Continue rinsing.	hemove contact lenses,
P310 Immediately call a poison center/doctor.	
P321 Specific treatment (see on this label).	
P405 Store locked up.	
P501 Dispose of contents/container in accordance with local/regi	onal/national/internation
regulations.	
Classification system:	
NFPA ratings (scale 0 - 4)	
Health = 3	
Fire = 2	
3 <b>U</b> Reactivity = 0	
HMIS-ratings (scale 0 - 4)	
HEALTH *3 Health = *3	
FIRE 2 Fire = 2	
<b>REACTIVITY</b> Reactivity = 0	
Other hazards	
Other hazards Results of PBT and vPvB assessment	

• **PB1:** Not applicable. • **vPvB:** Not applicable.

# 3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

2579-20-6	1,3-Cyclohexanedimethanamine	<15.0%
	😔 Skin Corr. 1A, H314; 🔱 Acute Tox. 4, H302; Acute Tox. 4, H312	
109-55-7	3-Aminopropyldimethylamine	<10.0%
	Flam. Liq. 3, H226; Acute Tox. 3, H311; Skin Corr. 1B, H314; Acute Tox. 4, H302; Skin Sens. 1, H317	
	Butanol	<5.0%
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	<2.0%
	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	
107-15-3	Ethylenediamine	<1.0%
	Flam. Liq. 3, H226;  Resp. Sens. 1, H334;  Skin Corr. 1B, H314;  Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317	

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## 4 First-aid measures

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:

Supply fresh air and to be sure call for a doctor.

- In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- · Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

#### 5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.
- Advice for firefighters Promptly isolate the scene by removing all person from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Protective equipment: Mouth respiratory protective device.

#### 6 Accidental release measures

Mount res Wear prof • Environm • Methods Absorb wi Use neutr Dispose o Ensure ac • Referenc See Secti See Secti See Secti	precautions, protective equipment and emergency procedures piratory protective device. ective equipment. Keep unprotected persons away. nental precautions: Prevent seepage into sewage system, workpits and cellars. and material for containment and cleaning up: th liquid-binding material (sand, diatomite, acid binders, universal binders, sawdus alizing agent. ontaminated material as waste according to item 13. lequate ventilation. e to other sections on 7 for information on safe handling. on 8 for information on personal protection equipment. on 13 for disposal information. e Action Criteria for Chemicals	st).
· PAC-1:		
109-55-7	3-Aminopropyldimethylamine	1.2 ppm
71-36-3	Butanol	60 ppm
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	6.5 mg/m <sup>3</sup>
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107-15-3	Ethylenediamine	0.88 ppm
PAC-2:		
109-55-7	3-Aminopropyldimethylamine	13 ppm
71-36-3	Butanol	800 ppm
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	72 mg/m <sup>3</sup>
107-15-3	Ethylenediamine	9.7 ppm
PAC-3:		
109-55-7	3-Aminopropyldimethylamine	89 ppm
71-36-3	Butanol	8000** ppm
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	430 mg/m <sup>3</sup>
107-15-3	Ethylenediamine	20 ppm

## 7 Handling and storage

#### · Handling:

- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

## 8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

· Control parameters

Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

#### 107-15-3 Ethylenediamine

- PEL Long-term value: 25 mg/m<sup>3</sup>, 10 ppm
- REL Long-term value: 25 mg/m<sup>3</sup>, 10 ppm
- TLV Long-term value: 25 mg/m<sup>3</sup>, 10 ppm

#### Skin 71-36-3 Butanol

- PEL Long-term value: 300 mg/m<sup>3</sup>, 100 ppm
- REL Ceiling limit value: 150 mg/m<sup>3</sup>, 50 ppm
  - Skin

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**Product Description: Phenalkamine Adduct** (Contd. of page 4) TLV Long-term value: 61 mg/m<sup>3</sup>, 20 ppm · Additional information: The lists that were valid during the creation were used as basis. Exposure controls · Personal protective equipment: · General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin. · Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air. · Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. · Eye protection: Tightly sealed goggles · Body protection: Protective work clothing 9 Physical and chemical properties Information on basic physical and chemical properties

- · General Information
- Appearance:

   Form:
   Color:
   Yellow-brown

   Odor:
   Amine-like
   Odor threshold:
   Not determined.
   pH-value:
   Not determined.

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#### **Product Description: Phenalkamine Adduct**

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<ul> <li>Change in condition Melting point/Melting range: Boiling point/Boiling range:</li> </ul>	Undetermined. Undetermined.
· Flash point:	77 ℃ (170.6 °F)
· Flammability (solid, gaseous):	Not applicable.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.
<ul> <li>Explosion limits: Lower: Upper:</li> </ul>	Not determined. Not determined.
· Vapor pressure:	Not determined.
<ul> <li>Density at 25 °C (77 °F):</li> <li>Relative density</li> <li>Vapor density</li> <li>Evaporation rate</li> </ul>	0.99096 g/cm <sup>3</sup> (8.26956 lbs/gal) Not determined. Not determined. Not determined.
<ul> <li>Solubility in / Miscibility with Water:</li> </ul>	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/wate	r): Not determined.
<ul> <li>Viscosity:</li> <li>Dynamic at 25 ℃ (77 °F):</li> <li>Kinematic:</li> <li>Other information</li> </ul>	2500 - 3200 cps Not determined. No further relevant information available.

# 10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability Product is stable.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

## **11 Toxicological information**

- · Information on toxicological effects
- · Acute toxicity:
- LD/LC50 values that are relevant for classification: Irritating to eyes and skin.

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		(Contd. of page 6
		hexanedimethanamine
Oral	LD50	700 mg/kg (rat)
Dermal	LD50	1,700 mg/kg (rabbit)
	•	ropyldimethylamine
Oral	LD50	1,870 mg/kg (rat)
Dermal	LD50	490 mg/kg (rabbit)
107-15-3 l	-	
Oral	LD50	866 mg/kg (rat)
Dermal	LD50	560 mg/kg (rabbit)
Inhalative	LC50/4 h	14.7 mg/l (rat)
71-36-3 B	utanol	
Oral	LD50	790 mg/kg (rat)
Dermal	LD50	3,400 mg/kg (rabbit)
Inhalative	LC50/4 h	8,000 mg/l (rat)
90-72-2 2,	4,6-Tris(D	imethylaminomethyl)Phenol
Oral	LD50	2,169 mg/kg (rat)
Dermal	LD50	1,260 mg/kg (rabbit)
Sensitizati Sensitizati Sensitizati Additiona The produ preparatio Harmful Corrosive Irritant Swallowin esophagus	tion: on possibl on possibl I toxicolo uct shows ns: g will lead s and stom	
Carcinog		Agency for Research on Cancer)
•		nts is listed.
	onal Toxi	cology Program)
NTP (Nati		
• <b>NTP (Nati</b> None of th	e ingredie	nts is listed.
NTP (Nati None of th OSHA-Ca	e ingredie (Occupat	nts is listed. ional Safety & Health Administration) nts is listed.

# 12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.

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- Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes: Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · **vPvB:** Not applicable.
- Other adverse effects No further relevant information available.

## 13 Disposal considerations

- Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information · UN-Number · DOT, ADR, IMDG, IATA UN2735 · UN proper shipping name · DOT Amines, liquid, corrosive, n.o.s. (Ethylenediamine) · ADR 2735 Amines, liquid, corrosive, n.o.s. (Ethylenediamine) AMINES, LIQUID, CORROSIVE, N.O.S. · IMDG, IATA (ETHYLENEDIAMINE) · Transport hazard class(es) · DOT, IMDG, IATA · Class 8 Corrosive substances · Label 8 · ADR · Class 8 Corrosive substances Miscellaneous dangerous substances and articles · Label 8 (Contd. on page 9) us



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<ul> <li>Packing group</li> <li>DOT, ADR, IMDG, IATA</li> </ul>	III
· Environmental hazards:	Not applicable.
<ul> <li>Special precautions for user</li> <li>Danger code (Kemler):</li> <li>EMS Number:</li> </ul>	Warning: Corrosive substances 80 F-A,S-B
<ul> <li>Transport in bulk according to Annex MARPOL73/78 and the IBC Code</li> </ul>	I of Not applicable.
· Transport/Additional information:	
<ul> <li>DOT</li> <li>Quantity limitations</li> </ul>	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
<ul> <li>ADR</li> <li>Excepted quantities (EQ)</li> </ul>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<ul> <li>IMDG</li> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> </ul>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S (ETHYLENEDIAMINE), 8, III

# 15 Regulatory information

 $\cdot$  Safety, health and environmental regulations/legislation specific for the substance or mixture  $\cdot$  Sara

Section 31	3 (Specific toxic chemical listings):	
71-36-3 B	utanol	
TSCA (To	kic Substances Control Act):	
2579-20-6	1,3-Cyclohexanedimethanamine	
109-55-7	3-Aminopropyldimethylamine	
71-36-3	Butanol	
90-72-2	2,4,6-Tris(Dimethylaminomethyl)Phenol	
107-15-3	Ethylenediamine	
Propositio	n 65	
Chemicals	s known to cause cancer:	
None of the	e ingredients is listed.	



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# Safety Data Sheet acc. to OSHA HCS

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	known to cause reproductive toxicity for females:	
	known to cause reproductive toxicity for males:	
None of the	e ingredients is listed.	
· Chemicals	known to cause developmental toxicity:	
None of the	e ingredients is listed.	
-	nic categories	
· EPA (Envir	ronmental Protection Agency)	
71-36-3 B	Butanol	
107-15-3 E	Ethylenediamine	
· TLV (Thres	shold Limit Value established by ACGIH)	I
107-15-3 E	Thylenediamine	A
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	1
	e ingredients is listed.	
· GHS label of The product	t is classified and labeled according to the Globally Harmonized System (GHS)	
GHS05 G	GHS08	
GHS05 G		
<ul> <li>Signal wor</li> <li>Hazard-det</li> </ul>	rd Danger termining components of labeling:	
<ul> <li>Signal work</li> <li>Hazard-det 1,3-Cyclohe</li> </ul>	rd Danger termining components of labeling: exanedimethanamine	
<ul> <li>Signal work</li> <li>Hazard-det 1,3-Cyclohe 3-Aminopro</li> </ul>	rd Danger termining components of labeling:	
<ul> <li>Signal work</li> <li>Hazard-det 1,3-Cyclohe 3-Aminopro Butanol</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine	
<ul> <li>Signal work</li> <li>Hazard-det 1,3-Cyclohe 3-Aminopro Butanol Ethylenedia</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine	
<ul> <li>Signal word</li> <li>Hazard-det</li> <li>1,3-Cyclohe</li> <li>3-Aminopro</li> <li>Butanol</li> <li>Ethylenedia</li> <li>Hazard stat</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine tements	
<ul> <li>Signal word</li> <li>Hazard-det</li> <li>1,3-Cyclohe</li> <li>3-Aminopro</li> <li>Butanol</li> <li>Ethylenedia</li> <li>Hazard stat</li> <li>H227 Comb</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine	
<ul> <li>Signal word</li> <li>Hazard-det</li> <li>1,3-Cyclohe</li> <li>3-Aminopro</li> <li>Butanol</li> <li>Ethylenedia</li> <li>Hazard stat</li> <li>H227 Comb</li> <li>H314 Cause</li> <li>H334 May comb</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine tements bustible liquid. es severe skin burns and eye damage. cause allergy or asthma symptoms or breathing difficulties if inhaled.	
<ul> <li>Signal word</li> <li>Hazard-det</li> <li>1,3-Cyclohe</li> <li>3-Aminopro</li> <li>Butanol</li> <li>Ethylenedia</li> <li>Hazard stat</li> <li>H227 Comb</li> <li>H314 Cause</li> <li>H334 May or</li> <li>H317 May or</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine tements bustible liquid. es severe skin burns and eye damage. cause allergy or asthma symptoms or breathing difficulties if inhaled. cause an allergic skin reaction.	
<ul> <li>Signal word</li> <li>Hazard-det</li> <li>1,3-Cyclohe</li> <li>3-Aminopro</li> <li>Butanol</li> <li>Ethylenedia</li> <li>Hazard stat</li> <li>H227 Comb</li> <li>H314 Cause</li> <li>H334 May of</li> <li>H317 May of</li> <li>Precaution</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine tements bustible liquid. es severe skin burns and eye damage. cause allergy or asthma symptoms or breathing difficulties if inhaled. cause an allergic skin reaction. hary statements	
<ul> <li>Signal word</li> <li>Hazard-det</li> <li>1,3-Cyclohe</li> <li>3-Aminopro</li> <li>Butanol</li> <li>Ethylenedia</li> <li>Hazard stat</li> <li>H227 Comb</li> <li>H314 Cause</li> <li>H334 May of</li> <li>H317 May of</li> <li>Precaution</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine tements bustible liquid. es severe skin burns and eye damage. cause allergy or asthma symptoms or breathing difficulties if inhaled. cause an allergic skin reaction.	inse skin w
<ul> <li>Signal work</li> <li>Hazard-det 1,3-Cyclohe 3-Aminopro Butanol Ethylenedia</li> <li>Hazard stat H227 Comb H314 Cause H314 Cause H317 May co H317 May co Precaution P303+P361</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine tements bustible liquid. es severe skin burns and eye damage. cause allergy or asthma symptoms or breathing difficulties if inhaled. cause an allergic skin reaction. hary statements I+P353 If on skin (or hair): Take off immediately all contaminated clothing. R	
<ul> <li>Signal work</li> <li>Hazard-det 1,3-Cyclohe 3-Aminopro Butanol Ethylenedia</li> <li>Hazard star H227 Comb H314 Cause H334 May c H317 May c Precaution P303+P351</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine tements oustible liquid. es severe skin burns and eye damage. cause allergy or asthma symptoms or breathing difficulties if inhaled. cause an allergic skin reaction. mary statements I+P353 If on skin (or hair): Take off immediately all contaminated clothing. R water/shower. I+P338 If in eyes: Rinse cautiously with water for several minutes. Remove cor present and easy to do. Continue rinsing.	
<ul> <li>Signal work</li> <li>Hazard-det 1,3-Cyclohe 3-Aminopro Butanol Ethylenedia</li> <li>Hazard star H227 Comb H314 Cause H314 Cause H317 May c Precaution P303+P361 P305+P351 P310</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine tements bustible liquid. es severe skin burns and eye damage. cause allergy or asthma symptoms or breathing difficulties if inhaled. cause an allergic skin reaction. hary statements I+P353 If on skin (or hair): Take off immediately all contaminated clothing. R water/shower. I+P338 If in eyes: Rinse cautiously with water for several minutes. Remove cor present and easy to do. Continue rinsing. Immediately call a poison center/doctor.	
<ul> <li>Signal work</li> <li>Hazard-det 1,3-Cyclohe 3-Aminopro Butanol Ethylenedia</li> <li>Hazard star H227 Comb H314 Cause H314 Cause H317 May c Precaution P303+P361 P305+P351 P310 P321</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine tements bustible liquid. es severe skin burns and eye damage. cause allergy or asthma symptoms or breathing difficulties if inhaled. cause an allergic skin reaction. hary statements I+P353 If on skin (or hair): Take off immediately all contaminated clothing. R water/shower. I+P338 If in eyes: Rinse cautiously with water for several minutes. Remove cor present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see on this label).	
<ul> <li>Signal work</li> <li>Hazard-det 1,3-Cyclohe 3-Aminopro Butanol Ethylenedia</li> <li>Hazard sta H227 Comb H314 Cause H314 Cause H317 May c Precaution P303+P361 P305+P351 P310 P321 P405</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine tements bustible liquid. es severe skin burns and eye damage. cause allergy or asthma symptoms or breathing difficulties if inhaled. cause an allergic skin reaction. hary statements I+P353 If on skin (or hair): Take off immediately all contaminated clothing. R water/shower. I+P338 If in eyes: Rinse cautiously with water for several minutes. Remove cor present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see on this label). Store locked up.	ntact lenses
<ul> <li>Signal work</li> <li>Hazard-det 1,3-Cyclohe 3-Aminopro Butanol Ethylenedia</li> <li>Hazard sta H227 Comb H314 Cause H314 Cause H317 May o H317 May o Precaution P303+P361</li> <li>P305+P351</li> <li>P310</li> <li>P321</li> <li>P405</li> <li>P501</li> </ul>	rd Danger termining components of labeling: exanedimethanamine opyldimethylamine amine tements bustible liquid. es severe skin burns and eye damage. cause allergy or asthma symptoms or breathing difficulties if inhaled. cause an allergic skin reaction. hary statements I+P353 If on skin (or hair): Take off immediately all contaminated clothing. R water/shower. I+P338 If in eyes: Rinse cautiously with water for several minutes. Remove cor present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see on this label).	ntact lenses

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## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing SDS: Product safety department
- · Contact: Mr Eleazar dela Cruz
- · Date of preparation / last revision 01/14/2019 / -

 Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TVL: Treshold Limit Value PEL: Permissible Exposure Limit **REL: Recommended Exposure Limit** Flam. Lig. 3: Flammable liquids - Category 3 Flam. Liq. 4: Flammable liquids - Category 4 Acute Tox. 4: Acute toxicity - Category 4 Acute Tox. 3: Acute toxicity - Category 3 Skin Corr. 1A: Skin corrosion/irritation - Category 1A Skin Corr. 1B: Skin corrosion/irritation - Category 1B Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Resp. Sens. 1: Respiratory sensitisation - Category 1 Skin Sens. 1: Skin sensitisation - Category 1 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3