

Date of o	compilation: 12/15/2022 Revised: 1/4/2023 Version: 3 (Replaced 2)			
SEC	TION 1: IDENTIFICATION			
1.1	GHS Product identifier: PE Part B			
	Other means of identification:			
1.2	Recommended use of the chemical and restrictions on use:			
	Relevant uses: Adhesive for construction			
	Uses advised against: All uses not specified in this section or in section 7.3			
1.3	Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party: Aerosmith Fastening System 5621 Dividend Road, Indianapolis, Indiana 46241 Tel: 800.528.8183 Fax: 317.390.6980 email:info@aerosmithfastening.com www.aerosmithfastening.com			
1.4	Emergency phone number: Chemtrec:703-527-3887 (Outside USA).			
1.4	Emergency phone number: Chemtrec: 1-800-424-9300 (Within Continental (USA);			
SEC	TION 2: HAZARD(S) IDENTIFICATION			
2.1	Classification of the substance or mixture:			
	This product contains crystalline silica but due to its liquid state does not require classification (STOT RE) 29 CFR 1910.1200:			
	Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200. Repr. 2: Reproductive toxicity, Category 2, H361			
	Skin Corr. 1B: Skin corrosion, Category 1B, H314 Skin Sens. 1: Sensitisation, skin, Category 1, H317 STOT RE 2: Specific target organ toxicity — Repeated exposure, Hazard Category 2 (Inhalation), H373			
2.2	Label elements:			
	29 CFR 1910.1200: Danger			
	Hazard statements:			
	Repr. 2: H361 - Suspected of damaging fertility or the unborn child. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Sens. 1: H317 - May cause an allergic skin reaction. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Inhalation).			
	Precautionary statements:			
	 P201: Obtain special instructions before use. P260: Do not breathe vapours. P280: Wear protective gloves/protective clothing/eye protection. P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313: IF exposed or concerned: Get medical advice/attention. 			
2.3	Hazards not otherwise classified (HNOC):			
	Non-applicable			
SEC	TION 3: COMPOSITION/INFORMATION ON INGREDIENTS			
3.1	Substances:			

Non-applicable

3.2 Mixtures:

Chemical description: Mixture composed of additives, pigments and resins



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Components:

Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

	Identification	Chemical name/Classification		Concentration
<u></u>	4 4000 00 7	Quartz (1 %< RCS < 10%)		45 405 %
CAS:	14808-60-7	Carc. 1B: H350; STOT RE 2: H373 - Danger	٠	15 - <25 %
~ ~ ~	04700 44 4	Phenol, styrenated		10 - <15 %
CAS:	61788-44-1	Eye Irrit. 2A: H319; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Warning	$\langle \mathbf{I} \rangle$	10 - <15 %
		2-piperazin-1-ylethylamine		
CAS:	140-31-8	Acute Tox. 3: H311; Acute Tox. 4: H302; Repr. 2: H361; Skin Corr. 1B: H314; Skin Sens. 1: H317; STOT RE 1: H372 - Danger	<u>ک 🗢 🔄</u>	1 - <10 %
~ ~ ~	0570.00.0	1,3-Cyclohexanedimethanamine		1 - <10 %
CAS:	2579-20-6	Acute Tox. 4: H302+H312; Eye Dam. 1: H318; Skin Corr. 1A: H314 - Danger	(!)	1-<10 %
		Salicylic acid		4 40.0%
CAS:	69-72-7	Acute Tox. 4: H302; Eye Dam. 1: H318 - Danger	(!)	1 - <10 %
To ob	tain more informat	ion on the hazards of the substances consult sections 11, 12 and 16.		

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary measures:

Request medical assistance immediately, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product. By ingestion/aspiration:

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and its inhalation, to the respiratory system. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administrate anything orally unless supervised by a doctor. Keep the person affected at rest.

4.2 Most important symptoms/effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Non-applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable



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SECTION 5: FIRE-FIGHTING MEASURES (continued)

5.2 Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) Additional provisions:

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

The characteristic of corrosivity per RCRA could apply to the unused product if it becomes a waste material. The EPA hazardous waste number D002 could apply. It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing.

6.3 Methods and materials for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in fixed places that comply with the necessary security conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to containers of small amounts. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Store in a cool, dry, well-ventilated location

B.- General conditions for storage



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SECTION 7: HANDLING AND STORAGE (continued)

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

US. ACGIH Threshold Limit Values (2022):

Identification	Occupa	ational exposure lir	nits
Quartz (1 %< RCS < 10%)	TLV-TWA		0.025 mg/m ³
CAS: 14808-60-7	TLV-STEL		

CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:

Identification	Occupa	ational exposure lin	nits
Quartz (1 %< RCS < 10%)	PEL		0.05 mg/m ³
CAS: 14808-60-7	STEL		

8.2 Appropriate engineering controls:

A.- Individual protection measures, such as personal protective equipment

Always provide effective general and, when necessary, local exhaust ventilation to maintain the ambient workplace atmosphere below the exposure limits.. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

B.- Respiratory protection

Pictogram	PPE	Remarks
Mandatory respiratory tract	Filter mask for gases and vapours	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR)

C.- Specific protection for the hands

Pictogram	PPE	Remarks
Mandatory hand protection	NON-disposable chemical protective gloves	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. Use gloves in accordance with manufacturer's use limitations and OSHA standard 1910.138 (29CFR)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

	Pictogram	PPE	Remarks
	Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer's use limitations and OSHA standard 1910.133 (29CFR)
E	Bodily protection		



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Pictogram	PPE	Remarks	
Mandatory complete body protection	Disposable clothing for protection against chemical risks		periodically according to the manufacture nstructions.
Mandatory foot protection	Safety footwear for protection against chemical risk	chemical Replace boots at any sign of deterioration. Use foot protection in manufacturer's use limitations and OSHA standard 1910.1	
F Additional emerge	ncy measures		
Emergency meas	sure Standards	Emergency measure	Standards
Emergency show	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:20	011 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:20
Environmental expos	sure controls:		
In accordance with the	e community legislation for the protection of th		
V.O.C.(weight-per	cent): 24.96 % weight		

V.O.C.(weight-percent):	24.96 % weight
V.O.C. at 68 °F:	Non-applicable

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	9.1 Information on basic physical and chemical properties:			
	For complete information see the product datasheet.			
	Appearance:			
	Physical state at 68 °F:	Liquid		
	Appearance:	Paste		
	Color:	Brown		
	Odor:	Ammoniacal		
	Odour threshold:	Non-applicable *		
	Volatility:			
	Boiling point at atmospheric pressure:	456 °F		
	Vapour pressure at 68 °F:	23 Pa		
	Vapour pressure at 122 °F:	171.38 Pa (0.17 kPa)		
	Evaporation rate at 68 °F:	Non-applicable *		
	Product description:			
	Density at 68 °F:	Non-applicable *		
	Relative density at 68 °F:	1.8		
	Dynamic viscosity at 68 °F:	Non-applicable *		
	Kinematic viscosity at 68 °F:	Non-applicable *		
	Kinematic viscosity at 104 °F:	>20.5 mm²/s		
	Concentration:	Non-applicable *		
	*Not relevant due to the nature of the product, not providin	ng information property of its hazards.		



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	SEC	FION 9: PHYSICAL AND	CHEMICAL PROPER	ΓIES (continued)
		pH:		Non-applicable *
		Vapour density at 68 °F:		Non-applicable *
		Partition coefficient n-octanc	l/water 68 °F:	Non-applicable *
		Solubility in water at 68 °F:		Non-applicable *
		Solubility properties:		Non-applicable *
		Decomposition temperature:		Non-applicable *
		Melting point/freezing point:		Non-applicable *
		Flammability:		
		Flash Point:		Non Flammable (>199.4 °F)
		Flammability (solid, gas):		Non-applicable *
		Autoignition temperature:		572 °F
		Lower flammability limit:		Non-applicable *
		Upper flammability limit:		Non-applicable *
		Particle characteristics:		
		Median equivalent diameter:		Non-applicable
	9.2	Other information:		
		Information with regard to	physical hazard classes:	
		Explosive properties:		Non-applicable *
		Oxidising properties:		Non-applicable *
		Corrosive to metals:		Non-applicable *
		Heat of combustion:		Non-applicable *
		Aerosols-total percentage (b components:	,	Non-applicable *
		Other safety characteristic Surface tension at 68 °F:		Non-applicable *
				Non-applicable

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

Non-applicable *

10.2 Chemical stability:

Refraction index:

Chemically stable under the indicated conditions of storage, handling and use.

*Not relevant due to the nature of the product, not providing information property of its hazards.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO), carbon monoxide and other organic compounds.



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.
- B- Inhalation (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
 - Contact with the eyes: Produces serious eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.
 - IARC: Quartz (1 %< RCS < 10%) (1)
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Reproductive toxicity: Suspected of damaging fertility or the unborn child
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-piperazin-1-ylethylamine	LD50 oral	500 mg/kg (ATEi)	
CAS: 140-31-8	LD50 dermal	866 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
1,3-Cyclohexanedimethanamine	LD50 oral	700 mg/kg	Rat
CAS: 2579-20-6	LD50 dermal	1700 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	



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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	А	cute toxicity	Genus
Phenol, styrenated	LD50 oral	>5000 mg/kg	
CAS: 61788-44-1	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Salicylic acid	LD50 oral	891 mg/kg	Rat
CAS: 69-72-7	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>5 mg/L	
Quartz (1 %< RCS < 10%)	LD50 oral	>5000 mg/kg	
CAS: 14808-60-7	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>5 mg/L	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Ecotoxicity (aquatic and terrestrial, where available):

Acute toxicity:

Identification		Concentration	Species	Genus
2-piperazin-1-ylethylamine	LC50	2190 mg/L (96 h)	Pimephales promelas	Fish
CAS: 140-31-8	EC50	58 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	>1000 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
1,3-Cyclohexanedimethanamine	LC50	130 mg/L (96 h)	Leuciscus idus	Fish
CAS: 2579-20-6	EC50	33 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	30 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

12.2 Persistence and degradability:

Substance-specific information:

Identification	De	gradability	Biodegrad	ability
Phenol, styrenated	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 61788-44-1	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	7 %
2-piperazin-1-ylethylamine	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 140-31-8	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	0 %
1,3-Cyclohexanedimethanamine	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 2579-20-6	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	29 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential		
2-piperazin-1-ylethylamine	BCF	3	
CAS: 140-31-8	Pow Log	-1.48	
	Potential	Low	

12.4 Mobility in soil:

Identification	Absorp	tion/desorption	Volat	ility
2-piperazin-1-ylethylamine	Koc	37000	Henry	0E+0 Pa⋅m³/mol
CAS: 140-31-8	Conclusion	Immobile	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable
1,3-Cyclohexanedimethanamine	Koc	30	Henry	Non-applicable
CAS: 2579-20-6	Conclusion	Very High	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable



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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
Salicylic acid	Кос	Non-applicable	Henry	Non-applicable
CAS: 69-72-7	Conclusion	Non-applicable	Dry soil	Non-applicable
		2.444E-2 N/m (405.05 °F)	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See epigraph 6.2.

Regulations related to waste management:

Legislation related to waste management:

40 CFR Part 261- IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land: With regard to 49 CFR on the Transport of Dangerous Goods: 14.1 UN number: UN2735 14.2 UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (2-piperazin-1-ylethylamine) 14.3 Transport hazard class(es): 8 Labels: 8 Ш 14.4 Packing group, if applicable: 14.5 Marine pollutant: No 14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises Physico-Chemical properties: see section 9 Limited quantities: 11 14.7 Transport in bulk (according to Non-applicable Annex II of MARPOL 73/78 and the IBC Code): Transport of dangerous goods by sea: With regard to IMDG 40-20:



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	14.1	• • • • • • • • • • • • • • • • • • • •	UN2735
	14.2	· · · · · · · · · ·	AMINES, LIQUID, CORROSIVE, N.O.S. (2-piperazin-1-ylethylamine
	14.3	Transport hazard class(es):	8
		Labels:	8
	• 14.4		
8	14.5	Marine pollutant:	No
	14.6		ser needs to be aware of, or needs to comply with, in connection either within or outside their premises
		Special regulations:	274
		EmS Codes:	F-A, S-B
		Physico-Chemical properties:	see section 9
		Limited quantities:	1 L
		Segregation group:	SGG18
	14 7	Transport in bulk (according to	
	14.7	Annex II of MARPOL 73/78 and the IBC Code):	
Transport of d	langerou	is goods by air:	
With regard to	-	• •	
		UN number:	UN2735
	14.2		AMINES, LIQUID, CORROSIVE, N.O.S. (2-piperazin-1-ylethylamine
	14.3	Transport hazard class(es):	8
	,	Labels:	8
8	14.4	Packing group, if applicable:	II
	14.5	Marine pollutant:	No
	14.6		ser needs to be aware of, or needs to comply with, in connection either within or outside their premises
		Physico-Chemical properties:	see section 9
	14.7	Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	
		· · · · ,	
ECTION 15: REG	ULATO	RY INFORMATION	
			or the product in question:
5.1 Safety, health a - CALIFORNIA L - California Prop	and envi LABOR (position 6	RY INFORMATION ronmental regulations specific f	or the product in question: es List: <i>Phenol, styrenated (61788-44-1)</i> exic Enforcement Act of 1986) - Birth defects or other reproductive
5.1 Safety, health a - CALIFORNIA L - California Prop harm: Non-appli - California Prop - CANADA-Dom 2-piperazin-1-yle - CANADA-Non-	and envir LABOR C position 6 icable position 6 nestic Sub ethylamin -Domesti	RY INFORMATION ronmental regulations specific f CODE - The Hazardous Substance 5 (the Safe Drinking Water and To 5 (the Safe Drinking Water an	es List: <i>Phenol, styrenated (61788-44-1)</i> xic Enforcement Act of 1986) - Birth defects or other reproductive xic Enforcement Act of 1986) - Cancer: Non-applicable <i>RCS < 10%) (14808-60-7) ; Phenol, styrenated (61788-44-1) ;</i> <i>methanamine (2579-20-6) ; Salicylic acid (69-72-7)</i>
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Safety data sheet according to 29 CFR 1910.1200 3 (P D U W %

Date of compilation: 12/15/2022

Revised: 1/4/2023

Version: 3 (Replaced 2)

SECTION 15: REGULATORY INFORMATION (continued)

Other legislation:

Take into consideration other applicable federal, state, and local laws and local regulations.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

Texts of the legislative phrases mentioned in section 2:

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H361: Suspected of damaging fertility or the unborn child.

H373: May cause damage to organs through prolonged or repeated exposure (Inhalation).

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

29 CFR 1910.1200:

Acute Tox. 3: H311 - Toxic in contact with skin.

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.

Carc. 1B: H350 - May cause cancer.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2A: H319 - Causes serious eye irritation.

Repr. 2: H361 - Suspected of damaging fertility or the unborn child. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

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

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Inhalation).

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

Occupational Safety & Health Administration (OSHA).

Abbreviations and acronyms:

IMDG: International maritime dangerous goods code

- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

CL50: Lethal Concentration 50 EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

IARC: International Agency for Research on Cancer

Date of compilation: 12/15/2022 Revised: 1/4/2023

Manufacturer Disclaimer: The information contained in this safety date sheet ("SDS") is based on sources, technical knowledge and current legislation. Furthermore, is based on data believed to be accurate; thus, the company does not assume any liability for its accuracy. The information provided herein cannot be considered a guarantee of the properties of this product and the same is simply a description of the security requirements. The use, occupational methodology and/or conditions for users of this product are not within our awareness or control. It is ultimately the responsibility of the user(s) to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information of this specified. Finally, the manner in which this product is used and whether there is any infringement of patents is the sole responsibility of the user(s).