

SAFETY DATA SHEET EPO-TEK® 301 Part A

1. Identification	
Product identifier	
Product name	EPO-TEK® 301 Part A
Product number	301/A
Recommended use of the ch	emical and restrictions on use
Application	Adhesive.
Uses advised against	Use only for intended applications.
Details of the supplier of the	safety data sheet
Supplier	Epoxy Technology, Inc. 14 Fortune Drive Billerica, MA 01821 USA (978) 667-3805 (978) 663-9782 www.epotek.com, SDS@epotek.com
Emergency telephone number	er
Emergency telephone	ChemTel: +1 (800) 255-3924, +1 (813) 248-0585
2. Hazard(s) identification	
Classification of the substand	æ or mixture
OSHA Regulatory Status	This Product is Hazardous under the OSHA Hazard Communication Standard.
Physical hazards	Not Classified
Health hazards	Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317
Environmental hazards	Aquatic Chronic 2 - H411
Label elements	
Hazard symbols	
Signal word	Danger
Hazard statements	H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. H315 Causes skin irritation. H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.

60-100%

30-60%

EPO-TEK® 301 Part A

Precautionary statements	 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 If on skin: Wash with plenty of water. P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a poison center/ doctor. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P301+P310 If swallowed: Immediately call a poison center/ doctor. P501 Dispose of contents/ container in accordance with national regulations.
Contains	Bisphenol A Diglycidyl Ether Resin, Reactive Diluent

3. Composition/information on ingredients

Mixtures

Bisphenol A Diglycidyl Ether Resin

CAS number: 25085-99-8

Classification

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411

Reactive Diluent

CAS number: Proprietary

Classification

Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317

The full text for all hazard statements is displayed in Section 16.

The full text for all haza	rd statements is displayed in Section 16.
Ingredient notes	The exact percentage/concentration is withheld as a trade secret in accordance with 29 CFR 1910.1200. The exact identity is withheld as a trade secret in accordance with 29 CFR 1910.1200.
4. First-aid measures	
Description of first aid n	neasures
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open

Most important symptoms and effects, both acute and delayed

Most important symptoms and	
Inhalation	Harmful if inhaled. Irritation of nose, throat and airway. Vapors may cause headache, fatigue, dizziness and nausea. Difficulty in breathing.
Ingestion	Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication.
Skin contact	Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. May cause sensitisation by skin contact.
Eye contact	Causes serious eye damage. Severe irritation, burning and tearing.
Indication of immediate medic	al attention and special treatment needed
Notes for the doctor	Treat symptomatically.
5. Fire-fighting measures	
Extinguishing media	
Suitable extinguishing media	Extinguish with the following media: Dry chemicals. Foam. Water spray.
Special hazards arising from the	he substance or mixture
Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
Advice for firefighters	
Protective actions during firefighting	Avoid breathing fire gases or vapors.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective
	clothing.
6. Accidental release measure	-
6. Accidental release measure	-
6. Accidental release measure	S
6. Accidental release measure Personal precautions, protection	ve equipment and emergency procedures
6. Accidental release measure Personal precautions, protection Personal precautions	ve equipment and emergency procedures
6. Accidental release measure Personal precautions, protection Personal precautions Environmental precautions	ve equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.
6. Accidental release measure Personal precautions, protectin Personal precautions Environmental precautions Environmental precautions	ve equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.
6. Accidental release measure Personal precautions, protection Personal precautions Environmental precautions Environmental precautions Methods and material for conta	ve equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment. ainment and cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering
6. Accidental release measure Personal precautions, protection Personal precautions Environmental precautions Environmental precautions Methods and material for contact Methods for cleaning up	 we equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment. ainment and cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.
6. Accidental release measure Personal precautions, protectin Personal precautions Environmental precautions Environmental precautions Methods and material for conta Methods for cleaning up Reference to other sections	 we equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment. ainment and cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.
6. Accidental release measure Personal precautions, protection Personal precautions Environmental precautions Environmental precautions Methods and material for contain Methods for cleaning up Reference to other sections 7. Handling and storage	We equipment and emergency procedures Wear protective clothing as described in Section 8 of this safety data sheet. Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment. ainment and cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

Conditions for safe storage,	including any incompatibilities
Storage precautions	Store at room temperature. Keep container tightly sealed when not in use.
Storage class	Chemical storage.
Specific end uses(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.
8. Exposure controls/Person	nal protection
Ingredient comments	No exposure limits known for ingredient(s).
Exposure controls	
Protective equipment	
Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield.
Hand protection	It is recommended that gloves are made of the following material: Nitrile rubber. Neoprene. Butyl rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.
9. Physical and chemical pr	operties
Information on basic physica	al and chemical properties
Appearance	Liquid.
<u>.</u>	

Color	Clear. Colorless.
Odor	Slight.
Odor threshold	No specific test data are available.
рН	No specific test data are available.
Melting point	No specific test data are available.
Initial boiling point and range	No specific test data are available.
Flash point	> 110°C
Evaporation rate	<buac< th=""></buac<>
Evaporation factor	No specific test data are available.
Flammability (solid, gas)	No specific test data are available.

Upper/lower flammability or explosive limits	No specific test data are available.
Vapor pressure	No specific test data are available.
Vapor density	> 1
Relative density	No specific test data are available.
Solubility(ies)	Insoluble in water.
Partition coefficient	No specific test data are available.
Auto-ignition temperature	No specific test data are available.
Decomposition Temperature	No specific test data are available.
Viscosity	No specific test data are available.
Other information	None.
10. Stability and reactivity	
Reactivity	The following materials may react with the product: Acids. Alkalis. Strong oxidizing agents.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.
Materials to avoid	Strong alkalis. Strong oxidizing agents. Strong acids.
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO2).
11. Toxicological information	
Information on toxicological eff	iects
Acute toxicity - oral ATE oral (mg/kg)	1,666.67
Acute toxicity - dermal ATE dermal (mg/kg)	1,100.0
Acute toxicity - inhalation ATE inhalation (gases ppm)	15,000.0
ATE inhalation (vapours mg/l)	36.67
ATE inhalation (dusts/mists mg/l)	5.0
Inhalation	Harmful if inhaled. May cause nausea, headache, dizziness and intoxication. Difficulty in breathing.
Ingestion	Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication.
	5/0

Skin Contact	May cause sensitisation by skin contact. Irritating to skin. Harmful in contact with skin.
Eye contact	Causes serious eye damage.
12. Ecological information	
Ecotoxicity	Toxic to aquatic life with long lasting effects.
Acute aquatic toxicity Acute toxicity - fish	Not available.
Persistence and degradability	
Persistence and degradability	No data available.
Bioaccumulative potential	
Bio-Accumulative Potential	No data available on bioaccumulation.
Partition coefficient	No specific test data are available.
Mobility in soil	
Mobility	The product has poor water-solubility.
Other adverse effects	
Other adverse effects	Not known.
13. Disposal considerations	
Waste treatment methods	
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
14. Transport information	
UN Number	
UN No. (TDG)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (DOT)	UN3082
UN proper shipping name	
Proper shipping name (TDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Resin)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Resin)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Resin)
Proper shipping name (DOT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Resin)
Transport hazard class(es)	
DOT hazard class	9
DOT hazard label	9

TDG class	9
TDG label(s)	9
IMDG Class	9
ICAO class/division	9

Transport labels



DOT transport labels

Packing group	
TDG Packing Group	Ш
IMDG packing group	III
ICAO packing group	III
DOT packing group	III

Environmental hazards

Environmentally Hazardous Substance



Special precautions for user	
EmS	F-A, S-F

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information	
Regulatory References	Proprietary information protected pursuant to WTO's Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS), Section 7, Art. 39.

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities None of the ingredients are listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA) None of the ingredients are listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities None of the ingredients are listed.

SARA 313 Emission Reporting

None of the ingredients are listed.

CAA Accidental Release Prevention

None of the ingredients are listed.

OSHA Highly Hazardous Chemicals None of the ingredients are listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-I) None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-II) None of the ingredients are listed.

Massachusetts "Right To Know" List None of the ingredients are listed.

Rhode Island "Right To Know" List None of the ingredients are listed.

Minnesota "Right To Know" List None of the ingredients are listed.

New Jersey "Right To Know" List None of the ingredients are listed.

Pennsylvania "Right To Know" List None of the ingredients are listed.

Inventories

EU - EINECS/ELINCS Some of the ingredients are listed or exempt.

Canada - DSL/NDSL All the ingredients are listed or exempt.

US - TSCA All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification None of the ingredients are listed.

Australia - AICS All the ingredients are listed or exempt.

Japan - ENCS Some of the ingredients are listed or exempt.

Korea - KECI All the ingredients are listed or exempt.

China - IECSC All the ingredients are listed or exempt.

Philippines - PICCS

All the ingredients are listed or exempt.

16. Other information	
Revision date	6/8/2020
Revision	4
Supersedes date	4/25/2016
Hazard statements in full	 H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects.

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SAFETY DATA SHEET EPO-TEK® 301 Part B

1. Identification	
Product identifier	
Product name	EPO-TEK® 301 Part B
Product number	301/B
Recommended use of the che	emical and restrictions on use
Application	Adhesive.
Uses advised against	Use only for intended applications.
Details of the supplier of the s	afety data sheet
Supplier	Epoxy Technology, Inc. 14 Fortune Drive Billerica, MA 01821 USA (978) 667-3805 (978) 663-9782 www.epotek.com, SDS@epotek.com
Emergency telephone numbe	<u>r</u>
Emergency telephone	ChemTel: +1 (800) 255-3924, +1 (813) 248-0585
2. Hazard(s) identification	
Classification of the substance	e or mixture
Physical hazards	Not Classified
Health hazards	Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317
Environmental hazards	Aquatic Chronic 3 - H412
Label elements	
Hazard symbols	
Signal word	Danger

60-100%

EPO-TEK® 301 Part B

Precautionary statements	 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P302+P352 If on skin: Wash with plenty of water. P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
Contains	Trimethyl-1, 6-Hexanediamine

3. Composition/information on ingredients

Mixtures

Trimethyl-1, 6-Hexanediamine

CAS number: 25513-64-8

Classification

Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures	
Description of first aid measures	
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.
Skin Contact	Remove affected person from source of contamination. Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
Most important symptoms and effects, both acute and delayed	
Inhalation	Gas or vapor in high concentrations may irritate the respiratory system.
Ingestion	Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication.
Skin contact	Causes severe burns. May cause an allergic skin reaction. May cause sensitisation by skin contact.
Eye contact	Causes serious eye damage. Severe irritation, burning and tearing.
Indication of immediate medical attention and special treatment needed	

Notes for the doctor	Treat symptomatically.
5. Fire-fighting measures	
Extinguishing media	
Suitable extinguishing media	Dry chemicals. Foam. Water spray.
Special hazards arising from the	he substance or mixture
Hazardous combustion	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Fire creates: Toxic gases/vapors/fumes of: Ammonia or amines.
Advice for firefighters	
Protective actions during firefighting	Avoid breathing fire gases or vapors.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
6. Accidental release measure	IS
Personal precautions, protective equipment and emergency procedures	
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental precautions	
Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Avoid discharge into drains. Avoid release to the environment.
Methods and material for conta	ainment and cleaning up
Methods for cleaning up	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Avoid contamination of ponds or watercourses with washing down water.
Reference to other sections	For personal protection, see Section 8.
7. Handling and storage	
Precautions for safe handling	
Usage precautions	Handle all packages and containers carefully to minimize spills. Avoid inhalation of vapors and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.
Advice on general occupational hygiene	Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash promptly if skin becomes contaminated. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.
Conditions for safe storage, including any incompatibilities	
Storage precautions	Store at room temperature. Keep container tightly sealed when not in use.
Storage class	Corrosive storage.
Specific end uses(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.
8. Exposure controls/Personal protection	
Ingredient comments	No exposure limits known for ingredient(s).

Exposure controls

Protective equipment



Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield.
Hand protection	The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Nitrile rubber. Neoprene. Butyl rubber.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.

9. Physical and chemical properties

Information on basic physical and chemical properties

Information on basic physical and chemical properties	
Appearance	Liquid.
Color	Clear liquid.
Odor	Amine.
Odor threshold	No specific test data are available.
рН	No specific test data are available.
Melting point	No specific test data are available.
Initial boiling point and range	No specific test data are available.
Flash point	> 104°C
Evaporation rate	<buac< th=""></buac<>
Evaporation factor	No specific test data are available.
Flammability (solid, gas)	No specific test data are available.
Upper/lower flammability or explosive limits	No specific test data are available.
Vapor pressure	No specific test data are available.
Vapor density	>1
Relative density	No specific test data are available.
Bulk density	No specific test data are available.
Solubility(ies)	Miscible with water.
Partition coefficient	No specific test data are available.

Auto-ignition temperature	No specific test data are available.
Decomposition Temperature	No specific test data are available.
Viscosity	No specific test data are available.
Other information	None.
10. Stability and reactivity	
Reactivity	The following materials may react violently with the product: Acids. Strong alkalis. Strong oxidizing agents. Strong reducing agents.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid contact with acids and alkalis. Avoid contact with the following materials: Oxidizing agents. Reducing agents. Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time.
Materials to avoid	Strong acids. Strong alkalis. Strong oxidizing agents. Strong reducing agents.
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon dioxide (CO2). Carbon monoxide (CO).
11. Toxicological information	
Information on toxicological eff	<u>fects</u>
Information on toxicological eff Acute toxicity - oral ATE oral (mg/kg)	500.0
Acute toxicity - oral	
Acute toxicity - oral ATE oral (mg/kg)	500.0
Acute toxicity - oral ATE oral (mg/kg) Inhalation	500.0 Gas or vapor in high concentrations may irritate the respiratory system. Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in
Acute toxicity - oral ATE oral (mg/kg) Inhalation Ingestion	500.0 Gas or vapor in high concentrations may irritate the respiratory system. Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication. Causes severe burns. May cause an allergic skin reaction. May cause sensitisation by skin
Acute toxicity - oral ATE oral (mg/kg) Inhalation Ingestion Skin Contact	500.0 Gas or vapor in high concentrations may irritate the respiratory system. Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication. Causes severe burns. May cause an allergic skin reaction. May cause sensitisation by skin contact.
Acute toxicity - oral ATE oral (mg/kg) Inhalation Ingestion Skin Contact Eye contact	500.0 Gas or vapor in high concentrations may irritate the respiratory system. Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication. Causes severe burns. May cause an allergic skin reaction. May cause sensitisation by skin contact.
Acute toxicity - oral ATE oral (mg/kg) Inhalation Ingestion Skin Contact Eye contact 12. Ecological information	500.0 Gas or vapor in high concentrations may irritate the respiratory system. Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication. Causes severe burns. May cause an allergic skin reaction. May cause sensitisation by skin contact. Causes serious eye damage. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic
Acute toxicity - oral ATE oral (mg/kg) Inhalation Ingestion Skin Contact Eye contact 12. Ecological information Ecotoxicity Acute aquatic toxicity	500.0 Gas or vapor in high concentrations may irritate the respiratory system. Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication. Causes severe burns. May cause an allergic skin reaction. May cause sensitisation by skin contact. Causes serious eye damage. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Acute toxicity - oral ATE oral (mg/kg) Inhalation Ingestion Skin Contact Eye contact 12. Ecological information Ecotoxicity Acute aquatic toxicity Acute toxicity - fish	500.0 Gas or vapor in high concentrations may irritate the respiratory system. Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication. Causes severe burns. May cause an allergic skin reaction. May cause sensitisation by skin contact. Causes serious eye damage. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Acute toxicity - oral ATE oral (mg/kg) Inhalation Ingestion Skin Contact Eye contact 12. Ecological information Ecotoxicity Acute aquatic toxicity Acute toxicity - fish Persistence and degradability	500.0 Gas or vapor in high concentrations may irritate the respiratory system. Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication. Causes severe burns. May cause an allergic skin reaction. May cause sensitisation by skin contact. Causes serious eye damage. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Not available.
Acute toxicity - oral ATE oral (mg/kg) Inhalation Ingestion Skin Contact Eye contact 12. Ecological information Ecotoxicity Acute aquatic toxicity Acute toxicity - fish Persistence and degradability Persistence and degradability	500.0 Gas or vapor in high concentrations may irritate the respiratory system. Harmful if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication. Causes severe burns. May cause an allergic skin reaction. May cause sensitisation by skin contact. Causes serious eye damage. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Not available.

Mobility in soil	
Mobility	Mobile.
Other adverse effects	
Other adverse effects	Not known.
13. Disposal considerations	
Waste treatment methods	
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
14. Transport information	
UN Number	
UN No. (TDG)	2327
UN No. (IMDG)	2327
UN No. (ICAO)	2327
UN No. (DOT)	2327
UN proper shipping name	
Proper shipping name (TDG)	TRIMETHYLHEXAMETHYLENEDIAMINES
Proper shipping name (IMDG)	TRIMETHYLHEXAMETHYLENEDIAMINES
Proper shipping name (ICAO)	TRIMETHYLHEXAMETHYLENEDIAMINES
Proper shipping name (DOT)	TRIMETHYLHEXAMETHYLENEDIAMINES
Transport hazard class(es)	
TDG class	8
TDG label(s)	8
IMDG Class	8
ICAO class/division	8
Transport labels	
1 Contraction of the second se	
Packing group	
TDG Packing Group	III
IMDG packing group	III
ICAO packing group	III
DOT packing group	III
Environmental hazards	
Environmentally Hazardous Su No.	ubstance
Special precautions for user	

EmS F-A, S-B Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code 15. Regulatory information **Regulatory References** Proprietary information protected pursuant to WTO's Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS), Section 7, Art. 39. **US Federal Regulations** SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities None of the ingredients are listed. CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA) None of the ingredients are listed. SARA Extremely Hazardous Substances EPCRA Reportable Quantities None of the ingredients are listed. SARA 313 Emission Reporting None of the ingredients are listed. **CAA Accidental Release Prevention** None of the ingredients are listed. **OSHA Highly Hazardous Chemicals** None of the ingredients are listed. **US State Regulations** California Proposition 65 Carcinogens and Reproductive Toxins None of the ingredients are listed. California Air Toxics "Hot Spots" (A-I) None of the ingredients are listed. California Air Toxics "Hot Spots" (A-II) None of the ingredients are listed. Massachusetts "Right To Know" List None of the ingredients are listed. Rhode Island "Right To Know" List None of the ingredients are listed. Minnesota "Right To Know" List None of the ingredients are listed. New Jersey "Right To Know" List The following ingredients are listed: Trimethyl-1, 6-Hexanediamine Pennsylvania "Right To Know" List None of the ingredients are listed.

Inventories

EU - EINECS/ELINCS All the ingredients are listed or exempt.

Canada - DSL/NDSL

All the ingredients are listed or exempt.

US - TSCA All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification None of the ingredients are listed.

Australia - AICS All the ingredients are listed or exempt.

Japan - ENCS None of the ingredients are listed.

Korea - KECI None of the ingredients are listed.

China - IECSC All the ingredients are listed or exempt.

Philippines - PICCS

None of the ingredients are listed.

16. Other information

Revision date	6/8/2020
Revision	4
Supersedes date	4/25/2016
Hazard statements in full	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.

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