# \* TECHNOLOGY

## SAFETY DATA SHEET EPO-TEK® OE121 Black Part A

1. Identification	
Product identifier	
Product name	EPO-TEK® OE121 Black Part A
Product number	OE121 Black/A
Recommended use of the chemical 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
	e or mixture Not Classified
Classification of the substance	
Classification of the substance Physical hazards	Not Classified
Classification of the substance Physical hazards Health hazards	Not Classified Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317
Classification of the substance Physical hazards Health hazards Environmental hazards	Not Classified Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317
Classification of the substance Physical hazards Health hazards Environmental hazards Label elements	Not Classified Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317

Precautionary statements	<ul> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P302+P352 If on skin: Wash with plenty of water.</li> <li>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</li> <li>P337+P313 If eye irritation persists: Get medical advice/ attention.</li> <li>P501 Dispose of contents/ container in accordance with national regulations.</li> </ul>
Contains	Epoxy Resin Blend
Other hazards	
Harmful dust may be release	d during cutting or grinding process.
Hazards not otherwise classified (HNOC)	Contains epoxy constituents. May produce an allergic reaction.
3. Composition/information o	n ingredients
Mixtures	
Epoxy Resin Blend	60-100%
CAS number: Proprietary	
Classification	
Skin Irrit. 2 - H315	
Eve Irrit, 2 - H319	

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

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. 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 eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
Most important sympt	oms and effects, both acute and delayed
Inhalation	Gas or vapor in high concentrations may irritate the respiratory system. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.
Ingestion	May cause discomfort if swallowed.
Skin contact	Causes skin irritation. May cause an allergic skin reaction. May cause sensitisation by skin contact.
Eye contact	Causes serious eye irritation.
Indication of immediat	e medical 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. Carbon dioxide (CO2).
Special hazards arising from the	ne 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. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
6. Accidental release measure	S
Personal precautions, protection	ve 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 release to the environment.
Methods and material for conta	ainment and cleaning up
Methods for 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.
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	Do not eat, drink or smoke when using this product. Wash promptly if skin becomes contaminated. Wash skin thoroughly after handling. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin.
Conditions for safe storage, in	cluding 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/Persona	I protection
Ingredient comments	No exposure limits known for ingredient(s).
Exposure controls	

## Protective equipment

Appropriate engineering controls Eye/face protection	Provide adequate general and local exhaust ventilation. Wear tight-fitting, chemical splash goggles or face shield.
Hand protection	Wear protective gloves made of the following material: Impermeable 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 properties

Information on basic physical and chemical properties		
Appearance	Liquid.	
Color	Black.	
Odor	Mild.	
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	> 93°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	

## Information on basic physical and chemical properties

pH No spec	ific test data are available.
Melting point No spec	ific test data are available.
Initial boiling point and range No spe	ific test data are available.
Flash point > 93°C	
Evaporation rate <buac< th=""><th></th></buac<>	
Evaporation factor No spec	ific test data are available.
Flammability (solid, gas) No spec	ific test data are available.
Upper/lower flammability or No spece explosive limits	ific test data are available.
Vapor pressure No spec	ific test data are available.
Vapor density >1	
Relative density No spec	cific test data are available.
Bulk density No spec	ific test data are available.
Solubility(ies) Slightly	soluble in water.
Partition coefficient No spec	ific test data are available.
Auto-ignition temperature No spec	cific test data are available.
Decomposition Temperature No spec	ific 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: Strong oxidizing agents. Strong reducing agents.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
Materials to avoid	Strong oxidizing agents. Strong reducing agents.
Hazardous decomposition products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).
11. Toxicological information	
Information on toxicological eff	fects
Inhalation	Gas or vapor in high concentrations may irritate the respiratory system. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.
Ingestion	May cause discomfort if swallowed.
Skin Contact	Irritating to skin. May cause an allergic skin reaction. May cause sensitisation by skin contact.
Eye contact	Causes serious eye irritation.
12. Ecological information	
Ecotoxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Acute aquatic toxicity Acute toxicity - fish	No information 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	<b>—</b>
Mobility	The product has poor water-solubility.
Other adverse effects	Netknown
Other adverse effects	Not known.
13. Disposal considerations	

# EPO-TEK® OE121 Black Part A

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	
	3082
	3082
UN No. (IMDG) UN No. (ICAO)	3082
UN No. (DOT)	UN3082
	013062
UN proper shipping name Proper shipping name (TDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Resin Blend)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Resin Blend)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Resin Blend)
Proper shipping name (DOT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Epoxy Resin Blend)
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	III
IMDG packing group	III
ICAO packing group	III
DOT packing group Environmental hazards	III

#### **Environmentally Hazardous Substance**



$\checkmark$	
Special precautions for user	
EmS	F-A, S-F
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
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 None of the ingredients are lis	Hazardous Substances Tier II Threshold Planning Quantities sted.
<b>CERCLA/Superfund, Hazardo</b> None of the ingredients are lis	ous Substances/Reportable Quantities (EPA) sted.
SARA Extremely Hazardous S None of the ingredients are lis	Substances EPCRA Reportable Quantities sted.
SARA 313 Emission Reporting None of the ingredients are lis	-
CAA Accidental Release Prev None of the ingredients are lis	
OSHA Highly Hazardous Che None of the ingredients are lis	
US State Regulations	
California Proposition 65 Carc None of the ingredients are lis	cinogens and Reproductive Toxins sted.
California Air Toxics "Hot Spot None of the ingredients are lis	
California Air Toxics "Hot Spot None of the ingredients are lis	
Massachusetts "Right To Kno None of the ingredients are lis	
-	
Rhode Island "Right To Know" None of the ingredients are lis	
Minnesota "Right To Know" Li None of the ingredients are lis	

#### 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	2/10/2020
Revision	2
Supersedes date	4/14/2015
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Epoxy Technology, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Epoxy Technology, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

# \* TECHNOLOGY

## SAFETY DATA SHEET EPO-TEK® OE121 Black Part B

1. Identification	
Product identifier	
Product name	EPO-TEK® OE121 Black Part B
Product number	OE121 Black/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 number	
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
Environmental hazards	Not Classified
Label elements	
Hazard symbols	
Signal word	Danger
Hazard statements	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage.

60-100%

## EPO-TEK® OE121 Black Part B

Precautionary statements	<ul> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.</li> <li>P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</li> <li>P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.</li> <li>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P501 Dispose of contents/ container in accordance with national regulations.</li> </ul>
Contains	Polyoxypropylenediamine

#### 3. Composition/information on ingredients

#### Mixtures

Polyoxypropy	lenediamine
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CAS number: 9046-10-0

#### Classification

Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318

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

#### 4. First-aid measures

#### Description of first aid measures

Ingestion       Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.         Skin Contact       Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and 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. Get medical attention immediately. Continue to rinse.         Most important symptoms and effects, both acute and delayed       Inhalation         Gas or vapor in high concentrations may irritate the respiratory system. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.         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 serious eye damage.         Indication of immediate medical attention and special treatment needed       Treat symptomatically.		—
mouth thoroughly with water. Get medical attention immediately.         Skin Contact       Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and 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. Get medical attention immediately. Continue to rinse.         Most important symptoms and effects, both acute and delayed       Inhalation         Gas or vapor in high concentrations may irritate the respiratory system. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.         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 serieus eye damage.         Indication of immediate medical attention and special treatment needed         Notes for the doctor       Treat symptomatically.	Inhalation	
skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.Eye contactRemove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.Most important symptoms and effects, both acute and delayedInhalationGas or vapor in high concentrations may irritate the respiratory system. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.IngestionHarmful 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 contactCauses severe burns.Eye contactCauses serious eye damage.Indication of immediate medical attention and special treatment needed Notes for the doctorTreat symptomatically.	Ingestion	
eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.Most important symptoms and effects, both acute and delayedInhalationGas or vapor in high concentrations may irritate the respiratory system. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.IngestionHarmful 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 contactCauses severe burns.Eye contactCauses serious eye damage.Indication of immediate medical attention and special treatment needed Notes for the doctorTreat symptomatically.	Skin Contact	skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after
Inhalation       Gas or vapor in high concentrations may irritate the respiratory system. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.         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.         Eye contact       Causes serious eye damage.         Indication of immediate medical attention and special treatment needed         Notes for the doctor       Treat symptomatically.	Eye contact	eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention
during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.         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.         Eye contact       Causes serious eye damage.         Indication of immediate medical attention and special treatment needed         Notes for the doctor       Treat symptomatically.	Most important symptoms and	l effects, both acute and delayed
mouth, esophagus and stomach. May cause nausea, headache, dizziness and intoxication.         Skin contact       Causes severe burns.         Eye contact       Causes serious eye damage.         Indication of immediate medical attention and special treatment needed         Notes for the doctor       Treat symptomatically.	Inhalation	during cutting, grinding or sanding operations involving this product may cause irritation of the
Eye contact       Causes serious eye damage.         Indication of immediate medical attention and special treatment needed         Notes for the doctor       Treat symptomatically.	Ingestion	
Indication of immediate medical attention and special treatment needed Notes for the doctor Treat symptomatically.	Skin contact	Causes severe burns.
Notes for the doctor Treat symptomatically.	Eye contact	Causes serious eye damage.
	Indication of immediate medical attention and special treatment needed	
5. Fire-fighting measures	Notes for the doctor	Treat symptomatically.
	5. Fire-fighting measures	

Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Dry chemicals. Foam. Carbon dioxide (CO2).
Special hazards arising from the	he substance or mixture
Specific hazards	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO2).
Advice for firefighters	
Protective actions during firefighting	Avoid breathing fire gases or vapors. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
6. Accidental release measure	99
Personal precautions, protections	ve equipment and emergency procedures
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental precautions	
Environmental precautions	Avoid release to the environment.
Methods and material for cont	ainment and cleaning up
Methods for cleaning up	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with sand or other inert absorbent. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.
Reference to other sections	For personal protection, see Section 8.
Reference to other sections 7. Handling and storage	For personal protection, see Section 8.
	For personal protection, see Section 8.
7. Handling and storage	For personal protection, see Section 8. 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.
7. Handling and storage Precautions for safe handling	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
7. Handling and storage Precautions for safe handling Usage precautions Advice on general	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. Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin.
7. Handling and storage Precautions for safe handling Usage precautions Advice on general occupational hygiene	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. Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin.
7. Handling and storage Precautions for safe handling Usage precautions Advice on general occupational hygiene Conditions for safe storage, in	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. Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin.
7. Handling and storagePrecautions for safe handlingUsage precautionsAdvice on generaloccupational hygieneConditions for safe storage, in Storage 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. Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin. <b>cluding any incompatibilities</b> Store at room temperature. Keep away from heat, sparks and open flame.
7. Handling and storage         Precautions for safe handling         Usage precautions         Advice on general         occupational hygiene         Conditions for safe storage, in         Storage precautions         Storage class	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. Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin. <b>cluding any incompatibilities</b> Store at room temperature. Keep away from heat, sparks and open flame.
7. Handling and storage         Precautions for safe handling         Usage precautions         Advice on general         occupational hygiene         Conditions for safe storage, im         Storage precautions         Storage class         Specific end uses(s)	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. Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin. <b>cluding any incompatibilities</b> Store at room temperature. Keep away from heat, sparks and open flame. Corrosive storage.
7. Handling and storage         Precautions for safe handling         Usage precautions         Advice on general         occupational hygiene         Conditions for safe storage, im         Storage precautions         Storage class         Specific end uses(s)         Specific end use(s)	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. Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin. <b>cluding any incompatibilities</b> Store at room temperature. Keep away from heat, sparks and open flame. Corrosive storage.

#### 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 chemical-resistant, impervious gloves are worn.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Provide eyewash station and safety shower. 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. Wash promptly with soap and water if skin 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 properties

Information on basic physical and chemical properties		
Appearance	Liquid.	
Color	Clear liquid.	
Odor	Mild.	
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	> 93°C	
Evaporation rate	<buac< th=""></buac<>	
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)	Soluble 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.	

## Information on basic physical and chemical properties

Other information	None.
10. Stability and reactivity	
Reactivity	The following materials may react with the product: 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 excessive heat for prolonged periods of time.
Materials to avoid	Strong oxidizing agents. Strong reducing agents.
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	rects
Acute toxicity - oral	500.0
ATE oral (mg/kg)	500.0
Inhalation	Gas or vapor in high concentrations may irritate the respiratory system. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.
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.
Eye contact	Causes serious eye damage.
12. Ecological information	
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)	2735
UN No. (IMDG)	2735
UN No. (ICAO)	2735
UN No. (DOT)	UN2735
UN proper shipping name	
Proper shipping name (TDG)	POLYAMINES, LIQUID, CORROSIVE, N.O.S (Polyoxypropylenediamine)
Proper shipping name (IMDG)	POLYAMINES, LIQUID, CORROSIVE, N.O.S (Polyoxypropylenediamine)
Proper shipping name (ICAO)	POLYAMINES, LIQUID, CORROSIVE, N.O.S (Polyoxypropylenediamine)
Proper shipping name (DOT)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)
Transport hazard class(es)	
DOT hazard class	8
DOT hazard label	8
TDG class	8
TDG label(s)	8
IMDG Class	8
ICAO class/division	8
Transport labels	
B	
DOT transport labels	
The state	

## Packing group

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

Environmental hazards

Environmentally Hazardous Substance No.

Special precautions for user

IMDG Code segregation group	18. Alkalis	
EmS	F-A, S-B	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	
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 None of the ingredients are lis	Hazardous Substances Tier II Threshold Planning Quantities ted.	
CERCLA/Superfund, Hazardo None of the ingredients are lis	us Substances/Reportable Quantities (EPA) ted.	
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 Prev None of the ingredients are lis		
OSHA Highly Hazardous Che None of the ingredients are lis		
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" I None of the ingredients are lis		
Pennsylvania "Right To Know" List None of the ingredients are listed.		

#### Inventories

**EU - EINECS/ELINCS** None of the ingredients are listed.

#### 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

All 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	2/10/2020
Revision	2
Supersedes date	4/14/2015
Hazard statements in full	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.

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