



## Potential Health Effects

### Carcinogenicity:

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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## SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

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<b>Substance / Mixture:</b>	Mixture	
<b>Hazardous ingredients</b>		
<b>Chemical Name</b>	<b>CAS-No.</b>	<b>Concentration [%]</b>
Polyamide resin	68410-23-1	90 - 100
Triethylenetetramine	112-24-3	10 - 20

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## SECTION IV - FIRST-AID MEASURES

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General advice:	Show this material safety data sheet to the doctor in attendance.
Inhalation:	Move to fresh air. If not breathing, give artificial respiration. Keep patient warm and at rest. Consult a physician after significant exposure.
Skin contact:	Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. Call a physician if irritation develops or persists. Wash contaminated clothing before re-use.
Eye contact:	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention. Protect unharmed eye.
Ingestion:	If swallowed, call a poison control center or doctor immediately. Do NOT induce vomiting. If victim is fully conscious, give a cupful of water. If possible drink milk afterwards.

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## SECTION V - FIRE-FIGHTING MEASURES

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Extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special information:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Recommended firefighting procedures:	Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

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## SECTION VI - ACCIDENTAL RELEASE MEASURES

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Personal precautions, protective equipment, and emergency procedures:	Refer to protective measures listed in sections 7 and 8.
Environmental precautions:	Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material. Shovel into suitable container for disposal.

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## SECTION VII - HANDLING AND STORAGE

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Local/Total ventilation: Use only with adequate ventilation.  
Advice on safe handling: Wear personal protective equipment. Do not get on skin or clothing. Use only in an area equipped with a safety shower.  
Conditions for safe storage: Keep containers tightly closed in a dry, cool and well-ventilated place.  
Materials to avoid: No special restrictions on storage with other products.

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## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Personal protective equipment

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.  
Filter type: Combined particulates and organic vapor type.  
Hand protection Material: butyl-rubber  
Eye protection: Safety glasses, face-shield. Ensure that eyewash stations and safety showers are close to the workstation location.  
Skin and body protection: Long sleeved clothing. Chemical resistant apron  
Protective measures: Avoid contact with skin.  
Hygiene measures: Avoid contact with skin, eyes and clothing.

### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.  
CAS-No.

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## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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Appearance:	Liquid	Freezing/melting point:	Not determined
Lower/upper explosive limits:	Not determined	Boiling point/range:	Not determined
Odor:	Ammoniacal	Flash point:	Not applicable
Odor threshold:	No data available	Evaporation rate:	Not determined
Vapor pressure (mm Hg):	Not determined	Density:	7.900 - 8.100 lb/gal
Flammability (solid, gas):	Not classified as a flammability hazard	Partition coefficient: n-octanol / water:	No data available
pH:	Not applicable	Auto-ignition temperature:	Not determined
Solid Content, % by weight:	100	Decomposition temperature:	No data available
Solubility in water:	Not determined	Viscosity:	Not determined

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## SECTION X - STABILITY AND REACTIVITY

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Chemical stability: The product is chemically stable.  
Hazardous decomposition or byproducts: Stable under normal conditions.

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## SECTION XI - TOXICOLOGICAL INFORMATION

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Skin corrosion/irritation:	No data available	Germ cell mutagenicity:	No data available
Serious eye damage/eye irritation:	No data available	Carcinogenicity:	No data available
Respiratory or skin sensitization:	No data available	Reproductive toxicity:	No data available
Aspiration toxicity:	No data available		
STOT-repeated exposure:	No data available		
STOT-single exposure:	No data available		

### Acute toxicity:

#### Product:

Acute oral toxicity:	Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method	Acute dermal toxicity:	Acute toxicity estimate : 3,438 mg/kg Method: Calculation method
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#### Ingredients:

##### triethylenetetramine:

Acute oral toxicity:	LD50 Oral rat: 2,500 mg/kg	Acute dermal toxicity:	LD50 Dermal rabbit: 550 mg/kg
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## SECTION XII - ECOLOGICAL INFORMATION

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### Ecotoxicity

#### Ingredients:

##### triethylenetetramine :

Toxicity to fish:	LC50 (Pimephales promelas (fathead minnow)): 495 mg/l Exposure time: 96 h Test Method: static test		
Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): 31.1 mg/l Exposure time: 48 h Test Method: static test		
Toxicity to algae:	EC50 (Desmodesmus subspicatus (green algae)): 2.5 mg/l Exposure time: 72 h Test Type: flow-through test		
Bioaccumulative potential:	No data available	Mobility in soil:	No data available
Other adverse effects:	No data available		
Persistence and degradability:	No data available		

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## SECTION XIII - DISPOSAL CONSIDERATIONS

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### Waste Disposal Method

Waste from residues: To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended, as industry best practice. Consult state, local or provincial authorities for more restrictive requirements.

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## SECTION XIV – TRANSPORT INFORMATION

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Land Transport ADR/RID and GGVS/GGVE (Cross Border / Domestic)	Not regulated	Air Transport ICAO-TI and IATA-DGR:	Not regulated
Maritime Transport IMDG/GGV Sea:	Not regulated	UN number:	None

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## SECTION XV – REGULATORY INFORMATION

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Clean Air Act:	This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).		
TCSA Status:	All ingredients are listed on the TSCA inventory		
SARA Title III, Section 302 Extremely Hazardous Substances:	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.	SARA Title III, Section 311/312 Hazard Categories:	Acute Health Hazard
SARA Title III, Section 313 Toxic Chemical:	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) report		
US State Regulations California Prop 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.		
DSL:	All ingredients are listed.		
Reach:	Not in compliance with the inventory		
AICS	On the inventory, or in compliance with the inventory		
NZIoC	Not in compliance with the inventory		
ENCS	On the inventory, or in compliance with the inventory		
KECI	On the inventory, or in compliance with the inventory		
PICCS	On the inventory, or in compliance with the inventory		
IECSC	On the inventory, or in compliance with the inventory		
TWINV	Not in compliance with the inventory		
Inventories Legend	TSCA (USA), DSL (Canada), REACH(Europe), AICS (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)		

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**SECTION XVI – OTHER INFORMATION**

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**Further information****NFPA:****HMIS III:**

<b>HEALTH</b>	3
<b>FLAMMABILITY</b>	1
<b>PHYSICAL HAZARD</b>	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Date prepared:

2016-03-05

This safety data sheet is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. It is not meant to be an all-inclusive document on worldwide hazard communication regulation. This information is believed to be accurate as of the date issued. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent exposures, property damage, or release to the environment. No warranty is expressed or implied with respect to the information herein supplied, and no responsibility for injury to the recipient or third persons, or for any damage to any property is assumed.