

POLYHEED® 900 BULK

Version 1.7

06/28/2006

- Eyes : Can cause slight irritation, redness, tearing and blurred vision.
- Ingestion : Amounts ingested incidental to industrial handling are not expected to cause injury. Can cause slight irritation.
- Chronic exposure : No known components of this product are listed as known or suspected carcinogens per NIOSH, NTP, IARC, or OSHA.

Carcinogenicity

	ACGIH	IARC	NTP	OSHA
SODIUM THIOCYANATE	N.E.	N.E.	N.E.	N.E.
TRIETHANOLAMINE	N.E.	Inadequate data.	N.E.	N.E.
SODIUM NITRATE	N.E.	N.E.	N.E.	N.E.
ETHANOL, 2,2',2'',2'''-(1,2-ETHANEDIYLDINITRILO)TETRAKIS-	N.E.	N.E.	N.E.	N.E.

4. FIRST AID MEASURES

- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
- Skin contact : Wash off with soap and water. If skin irritation persists, call a physician. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use.
- Ingestion : DO NOT INDUCE VOMITING! Seek medical advice. If conscious, drink plenty of water. Never give anything by mouth to an unconscious person.
- Inhalation : Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

- Autoignition temperature : Not combustible.
- Lower explosion limit : not applicable
- Upper explosion limit : not applicable
- Suitable extinguishing media : No information available.
- Fire and Explosion Hazards : Containers can build up pressure if exposed to heat (fire). Cool closed containers exposed to fire with water spray.
- Protective equipment : As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.
- Special Fire-fighting Procedures : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up : Wear personal protective equipment (refer to section 8). Take action to eliminate source of leak; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse residual stain with water.

7. HANDLING AND STORAGE

Handling : Keep out of reach of children. Wear personal protective equipment (refer to section 8). Use only in area provided with appropriate ventilation.

Storage : Keep container tightly closed. Keep in a dry, cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye protection : Wear as appropriate:
safety glasses with side-shields

Hand protection : Wear as appropriate:
Wear Chemically resistant gloves.

Body Protection : Wear as appropriate:
impervious clothing

Hygienic Practices : Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

Engineering Controls : Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of airborne dust concentrations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color : brown

Physical State : liquid

Odor : sweet

pH : 8 - 9

Odor Threshold : no data available

Vapor Pressure : no data available

Boiling point/range : 212 °F (100 °C)

Freeze Point : 14 °F (-10 °C)

Water solubility : completely soluble

Specific Gravity : 1.238

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Viscosity : no data available

Partition coefficient (n-octanol/water) : no data available

VOC Concentration as applied (less water and exempt solvents) : 0 g/l

10. STABILITY AND REACTIVITY

Stability : Stable under recommended storage conditions.

Conditions to avoid : no data available

Materials to avoid : Incompatible with strong acids and oxidizing agents.

Hazardous decomposition products : nitrogen oxides (NO_x)
carbon oxides
sulphur oxides

Hazardous polymerization : Will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>	<u>Exposure time</u>
	LC50	no data available		

Component

SODIUM THIOCYANATE	LC50	no data available		
TRIETHANOLAMINE	LC50	no data available		
SODIUM NITRATE	LC50	no data available		
ETHANOL, 2,2',2'',2'''-(1,2-ETHANEDIYLDINITRILIO)TETRAKIS-	LC50	no data available		

Acute oral toxicity

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>
	LD50 (Oral)	no data available	

Component

SODIUM THIOCYANATE	LD50 (Oral)	no data available	
TRIETHANOLAMINE	LD50 (Oral)	no data available	

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SODIUM NITRATE	LD50 (Oral)	no data available
ETHANOL, 2,2',2'',2'''-(1,2-ETHANEDIYLDINITRILO)TETRAKIS-	LD50 (Oral)	no data available

Acute dermal toxicity

	<u>Type</u>	<u>Value</u>	<u>Species</u>
<u>Product</u>	LD50 (Dermal)	no data available	
<u>Component</u>			
SODIUM THIOCYANATE	LD50 (Dermal)	no data available	
TRIETHANOLAMINE	LD50 (Dermal)	no data available	
SODIUM NITRATE	LD50 (Dermal)	no data available	
ETHANOL, 2,2',2'',2'''-(1,2-ETHANEDIYLDINITRILO)TETRAKIS-	LD50 (Dermal)	no data available	

12. ECOLOGICAL INFORMATION

Ecotoxicological Information : There is no data available for this product.

13. DISPOSAL CONSIDERATIONS

Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

14. TRANSPORT INFORMATION

DOT	: Proper shipping name	Not regulated
IATA	: Proper shipping name	Not regulated

15. REGULATORY INFORMATION

SARA 311/312 (RTK)

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE (ACUTE) HEALTH HAZARD

SARA 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<u>Weight %</u>	<u>CAS No.</u>	<u>Chemical Name</u>
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1.00 - 20.00 % 7631-99-4 SODIUM NITRATE

CERCLA

CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

<u>RQ</u>	<u>CAS No.</u>	<u>Chemical Name</u>
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No CERCLA chemicals exist in this product above reportable concentrations.

TSCA Section 12(b) Export Notification

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

<u>CAS No.</u>	<u>Chemical Name</u>
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There are no TSCA 12(b) Chemicals in this product.

California Proposition 65

The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at < 0.1%:

<u>CAS No.</u>	<u>Chemical Name</u>
7440-47-3	CHROMIUM

16. OTHER INFORMATION

Legend : N.E. - Not Established
 TLV - Threshold Limit Value
 STEL - Short Term Exposure Limit
 PEL - Permissible Exposure Limit
 CEIL - Ceiling

Prepared By : Environment, Health and Safety Department

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End of MSDS.