

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date: 07/28/2014

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier
Product Form: Mixture
Product Name: Think Zinc
Product Code: 20600

Intended Use of the Product

Use of the Substance/Mixture: Welding Process Aid. For professional use only.

Name, Address, and Telephone of the Responsible Party

Company J.P. Nissen Co. 2544 Fairhill Avenue Glenside, PA 19038

T 215-886-2025 - F 215-886-0707 **Emergency Telephone Number Emergency number** : 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US) Flam. Liq. 2 H225 Skin Irrit. 2 H315

Muta. 1B H340
Carc. 1B H350
Repr. 2 H361
STOT SE 3 H336
STOT RE 1 H372
Asp. Tox. 1 H304
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

Label Elements GHS-US Labeling

Hazard Pictograms (GHS-US)









Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) : H225 - Highly flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H336 - May cause drowsiness or dizziness

H340 - May cause genetic defects

H350 - May cause cancer

H361 - Suspected of damaging fertility or the unborn child

H372 - Causes damage to organs through prolonged or repeated exposure

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements (GHS-US): P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

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P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical, ventilating, and lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P260 - Do not breathe vapors, mist, spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection, face protection, respiratory protection.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P312 - Call a POISON CENTER/doctor/physician if you feel unwell.

P314 - Get medical advice and attention if you feel unwell.

P321 - Specific treatment (see section 4).

P331 - If swallowed, do NOT induce vomiting.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

P370+P378 - In case of fire: Use appropriate media to extinguish.

P391 - Collect spillage.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

Other Hazards

Other Hazards Not Contributing to the Classification:

Other Hazards: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. When heated to decomposition, emits toxic fumes. Flammable vapors can accumulate in head space of closed systems.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name	Product identifier	% (w/w)	Classification (GHS-US)
Zinc	(CAS No) 7440-66-6	30 - 36	Aquatic Acute 1, H400
			Aquatic Chronic 1, H410
Propylene glycol monomethyl ether acetate	(CAS No) 108-65-6	25 - 31	Flam. Liq. 3, H226
Toluene	(CAS No) 108-88-3	10 - 16	Flam. Liq. 2, H225
			Skin Irrit. 2, H315
			Repr. 2, H361
			STOT SE 3, H336
			STOT RE 2, H373
			Asp. Tox. 1, H304
			Aquatic Acute 2, H401
			Aquatic Chronic 3, H412

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Stoddard solvent	(CAS No) 8052-41-3	5 - 10	Flam. Liq. 2, H225
			Muta. 1B, H340
			Carc. 1B, H350
			STOT RE 1, H372
			Asp. Tox. 1, H304
			Aquatic Acute 1, H400
			Aquatic Chronic 2, H411
Solvent naphtha, petroleum, light aliphatic	(CAS No) 64742-89-8	5 - 10	Flam. Liq. 1, H224
			Skin Irrit. 2, H315
			Muta. 1B, H340
			Carc. 1B, H350
			Repr. 2, H361
			STOT SE 3, H336
			Asp. Tox. 1, H304
			Aquatic Acute 2, H401
			Aquatic Chronic 2, H411

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If exposed or concerned: Get medical advice/attention.

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes skin irritation. May cause heritable genetic damage. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause cancer. Vapors may cause drowsiness and dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Inhalation: May cause drowsiness or dizziness. May cause respiratory irritation.

Skin Contact: Causes skin irritation. **Eye Contact:** May cause eye irritation.

Ingestion: Ingestion is likely to be harmful or have adverse effects. May be fatal if swallowed and enters airways.

Chronic Symptoms: May cause cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause genetic defects. May damage organs through prolonged or repeated exposure.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Highly flammable liquid and vapor.

Explosion Hazard: May form flammable/explosive vapor-air mixture. **Reactivity:** Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. **Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

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Hazardous Combustion Products: Carbon oxides (CO, CO₂). Oxides of zinc.

Other information: Do not allow run-off from fire fighting to enter drains or water courses. Do not allow the product to be released into the environment.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing (vapors, mist, spray). Use only outdoors or in a well-ventilated area. Do not allow product to spread into the environment. Avoid all contact with skin, eyes, or clothing.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Collect spillage. Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material. Contact competent authorities after a spill.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: When heated to decomposition, emits toxic fumes. Flammable vapors may accumulate in the head space of closed systems. Container may remain hazardous when empty.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Use explosion proof equipment. Ground/bond container and receiving equipment. Prevent build-up of electrostatic charges (e.g., by grounding).

Storage Conditions: Store in a well-ventilated place. Keep container tightly closed. Keep/Store away from extremely high or low temperatures, ignition sources, combustible materials, incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Specific End Use(s)

Welding Process Aid. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Toluene (108-88-3)		
Mexico	OEL TWA (mg/m³)	188 mg/m ³
Mexico	OEL TWA (ppm)	50 ppm
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m³)	375 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m³)	560 mg/m ³

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USA NIOSH	NIOSH REL (STEL) (ppm)	150 ppm		
USA IDLH	US IDLH (ppm)	500 ppm		
Alberta	OEL TWA (mg/m³)	188 mg/m³		
Alberta	OEL TWA (ppm)	50 ppm		
British Columbia	OEL TWA (ppm)	20 ppm		
Manitoba	OEL TWA (ppm)	20 ppm		
New Brunswick	OEL TWA (mg/m³)	188 mg/m³		
New Brunswick	OEL TWA (ppm)	50 ppm		
Newfoundland & Labrador	OEL TWA (ppm)	20 ppm		
Nova Scotia	OEL TWA (ppm)	20 ppm		
Nunavut	OEL STEL (mg/m³)	560 mg/m ³		
Nunavut	OEL STEL (ppm)	150 ppm		
Nunavut	OEL TWA (mg/m³)	375 mg/m ³		
Nunavut	OEL TWA (ppm)	100 ppm		
Northwest Territories	OEL STEL (mg/m³)	560 mg/m ³		
Northwest Territories	OEL STEL (ppm)	150 ppm		
Northwest Territories	OEL TWA (mg/m³)	375 mg/m³		
Northwest Territories	OEL TWA (ppm)	100 ppm		
Ontario	OEL TWA (ppm)	20 ppm		
Prince Edward Island	OEL TWA (ppm)	20 ppm		
Québec	VEMP (mg/m³)	188 mg/m³		
Québec	VEMP (ppm)	50 ppm		
Saskatchewan	OEL STEL (ppm)	60 ppm		
Saskatchewan	OEL TWA (ppm)	50 ppm		
Yukon	OEL STEL (mg/m³)	560 mg/m ³		
Yukon	OEL STEL (ppm)	150 ppm		
Yukon	OEL TWA (mg/m³)	375 mg/m ³		
Yukon	OEL TWA (ppm)	100 ppm		
Propylene glycol monomethyl ether acetate (108-65-6)				
British Columbia	OEL STEL (ppm)	75 ppm		
British Columbia	OEL TWA (ppm)	50 ppm		
Ontario	OEL TWA (mg/m³)	270 mg/m ³		
Ontario	OEL TWA (ppm)	50 ppm		
Stoddard solvent (8052-41-3	3)			
Mexico	OEL TWA (mg/m³)	523 mg/m ³		
Mexico	OEL TWA (ppm)	100 ppm		
Mexico	OEL STEL (mg/m³)	1050 mg/m ³		
Mexico	OEL STEL (ppm)	200 ppm		
USA ACGIH	ACGIH TWA (ppm)	100 ppm		
USA OSHA	OSHA PEL (TWA) (mg/m³)	2900 mg/m³		
USA OSHA	OSHA PEL (TWA) (ppm)	500 ppm		
USA NIOSH	NIOSH REL (TWA) (mg/m³)	350 mg/m ³		
USA NIOSH	NIOSH REL (ceiling) (mg/m³)	1800 mg/m³		
USA IDLH	US IDLH (mg/m³)	20000 mg/m³		
Alberta	OEL TWA (mg/m³)	572 mg/m ³		
Alberta	OEL TWA (ppm)	100 ppm		
British Columbia	OEL STEL (mg/m³)	580 mg/m³		
British Columbia	OEL TWA (mg/m³)	290 mg/m³		
Manitoba	OEL TWA (ppm)	100 ppm		
New Brunswick	OEL TWA (mg/m³)	525 mg/m ³		
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New Brunswick	OEL TWA (ppm)	100 ppm
Newfoundland & Labrador	OEL TWA (ppm)	100 ppm
Nova Scotia	OEL TWA (ppm)	100 ppm
Nunavut	OEL STEL (mg/m³)	720 mg/m³
Nunavut	OEL STEL (ppm)	125 ppm
Nunavut	OEL TWA (mg/m³)	575 mg/m³
Nunavut	OEL TWA (ppm)	100 ppm
Northwest Territories	OEL STEL (mg/m³)	720 mg/m³
Northwest Territories	OEL STEL (ppm)	125 ppm
Northwest Territories	OEL TWA (mg/m³)	575 mg/m ³
Northwest Territories	OEL TWA (ppm)	100 ppm
Ontario	OEL TWA (mg/m³)	525 mg/m³ (140°C Flash aliphatic solvent)
Prince Edward Island	OEL TWA (ppm)	100 ppm
Québec	VEMP (mg/m³)	525 mg/m³
Québec	VEMP (ppm)	100 ppm
Saskatchewan	OEL STEL (ppm)	125 ppm
Saskatchewan	OEL TWA (ppm)	100 ppm
Yukon	OEL STEL (mg/m³)	720 mg/m ³
Yukon	OEL STEL (ppm)	150 ppm
Yukon	OEL TWA (mg/m³)	575 mg/m ³
Yukon	OEL TWA (ppm)	100 ppm

Exposure Controls

Appropriate Engineering Controls: Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas. Alarm detectors should be used when toxic gases may be released. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Gas detectors should be used when flammable gases/vapours may be released. Use explosion-proof equipment.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.









Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits.

Thermal Hazard Protection: Wear suitable protective clothing. **Other Information:** When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State: LiquidAppearance: Silver liquidOdor: Solvent

Odor Threshold: 2.14 ppm (toluene)pH: Not available

Relative Evaporation Rate (butylacetate=1) : Not available

Relative evaporation rate (ether=1) : <1

Melting Point: Not availableFreezing Point: Not available

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Boiling Point : 138 - 177 °C (280°F - 350°F)

Flash Point : > 23 °C (>73°F)

Auto-ignition Temperature : Not available

Decomposition Temperature : Not available

Flammability (solid, gas) : Not available

Lower Explosive Limit : 0.9 % (stoddard solvent)

Upper Explosive Limit : 7.1 % (toluene)

Vapor Pressure : 9 mm Hg @20°C (68°F)

Relative Vapor Density at 20 °C : Not available
Relative Density : Not available
Specific Gravity : 1.275 g/ml
Solubility : Negligible.
Partition coefficient: n-octanol/water : Not available
Viscosity : Not available

Explosion Data – Sensitivity to Mechanical Impact : Not expected to present an explosion hazard due to mechanical impact.

Explosion Data – Sensitivity to Static Discharge : Static discharge could act as an ignition source

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Highly flammable liquid and vapor.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks. Incompatible

materials.

Incompatible Materials: strong acids. Strong bases. Strong oxidizers. **Hazardous Decomposition Products:** Carbon oxides (CO, CO2). Zinc oxide.

SECTION 11: TOXICOLOGICAL INFORMATION

<u>Information on Toxicological Effects - Product</u>

Acute Toxicity: Not classified LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: May cause genetic defects.

Teratogenicity: May cause birth defects **Carcinogenicity:** May cause cancer.

Specific Target Organ Toxicity (Repeated Exposure): Causes damage to organs through prolonged or repeated exposure.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure): May cause drowsiness or dizziness.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Symptoms/Injuries After Inhalation: May cause drowsiness or dizziness. May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: Causes skin irritation.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects. May be fatal if swallowed and enters airways.

Chronic Symptoms: May cause cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause genetic defects. May damage organs through prolonged or repeated exposure.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Toluene (108-88-3)	
LD50 Oral Rat	5580 mg/kg

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LD50 Dermal Rabbit	8390 mg/kg		
Propylene glycol monomethyl ether acetate (108-65-6)			
LD50 Oral Rat	8532 mg/kg		
LD50 Dermal Rabbit	> 5 g/kg		
Stoddard solvent (8052-41-3)			
LD50 Oral Rat	> 5 g/kg Behavioral somnolence		
LD50 Dermal Rabbit	> 3 mg/kg		
Solvent naphtha, petroleum, light aliphatic (64742-89-8)			
LD50 Oral Rat	>= 5000 mg/kg		
LD50 Dermal Rabbit	3000 mg/kg		
Toluene (108-88-3)			
IARC Group	3		

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Very toxic to aquatic life with long lasting effects.

Toluene (108-88-3)			
LC50 Fish 1	15.22 - 19.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])		
EC50 Daphnia 1	5.46 - 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])		
LC 50 Fish 2	12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])		
EC50 Daphnia 2	11.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
NOEC chronic crustacea	0.74 mg/l (Ceriodaphnia dubia)		
Propylene glycol monomethyl ether ace	tate (108-65-6)		
LC50 Fish 1	161 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])		
EC50 Daphnia 1	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
Stoddard solvent (8052-41-3)			
LC50 Fish 1	0.42 mg/l		
Zinc (7440-66-6)			
LC50 Fish 1	2.16 - 3.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])		
EC50 Daphnia 1	0.139 - 0.908 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])		
LC 50 Fish 2	0.211 - 0.269 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])		
Solvent naphtha, petroleum, light aliphatic (64742-89-8)			
LC50 Fish 1	>= 8.2 mg/l Exposure time 96 hour Species: Pimephales promelas		
NOEC chronic fish	14 day exposure Species: Pimephales promelas LC50: 5.2 mg/l		

Persistence and Degradability

Think Zinc	
Persistence and Degradability	May cause long-term adverse effects in the environment.

Bioaccumulative Potential

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Think Zinc				
Bioaccumulative Potential Not established.				
Toluene (108-88-3)				
.og Pow 2.65				
Propylene glycol monomethyl ether acetate (108-65-6)				
Log Pow 0.43				
Stoddard solvent (8052-41-3)				
Log Pow	3.16 (Octanol/water partition coefficient 3.16/7.06)			

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Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Additional Information: Flammable vapors may accumulate in the container.

Ecology - Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name : CONSUMER COMMODITY

Hazard Class: 9Identification Number: ID8000Label Codes: 9ERG Number: 171

14.2 In Accordance with IMDG

Proper Shipping Name : PAINT
Hazard Class : 3
Identification Number : UN1263
Packing Group : II

Label Codes : 3
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E



Proper Shipping Name : CONSUMER COMMODITY

Identification Number: ID8000Hazard Class: 9Label Codes: 9ERG Code (IATA): 9L

14.4 In Accordance with TDG

Proper Shipping Name : CONSUMER COMMODITY

Hazard Class : 9
Identification Number : ID8000
Label Codes : 9



SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Think Zinc				
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard			
	Fire hazard			
	Delayed (chronic) health hazard			
Toluene (108-88-3)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				
Listed on SARA Section 313 (Specific toxic chemical listings)				
RQ (Reportable Quantity, Section 304 of EPA's List of Lists): 1000 lb				
SARA Section 313 - Emission Reporting 1.0 %				
Propylene glycol monomethyl ether acetate (108-65-6)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				
SARA Section 311/312 Hazard Classes Fire hazard				
Stoddard solvent (8052-41-3)				
Listed on the United States TSCA (Toxic Substances Control Act) inventory				

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Zinc (7440-66-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on SARA Section 313 (Specific toxic chemical listings)	
SARA Section 313 - Emission Reporting	1.0 % (dust or fume only)

Solvent naphtha, petroleum, light aliphatic (64742-89-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

Toluene (108-88-3)	
U.S California - Proposition 65 - Developmental Toxicity	WARNING: This product contains chemicals known to the State of
	California to cause birth defects.
U.S California - Proposition 65 - Reproductive Toxicity -	WARNING: This product contains chemicals known to the State of
Female	California to cause (Female) reproductive harm.

Toluene (108-88-3)

- U.S. California Priority Toxic Pollutants Human Health Criteria
- U.S. California Proposition 65 Maximum Allowable Dose Levels (MADL)
- U.S. California SCAQMD Toxic Air Contaminants Non-Cancer Acute
- U.S. California SCAQMD Toxic Air Contaminants Non-Cancer Chronic
- U.S. California Toxic Air Contaminant List (AB 1807, AB 2728)
- U.S. Colorado Groundwater Quality Standards
- U.S. Colorado Hazardous Wastes Discarded Chemical Products, Off-Specification Species, Container and Spill Residues
- U.S. Colorado Primary Drinking Water Regulations Maximum Contaminant Level Goals (MCLGs)
- U.S. Colorado Primary Drinking Water Regulations Maximum Contaminant Levels (MCLs)
- U.S. Connecticut Drinking Water Quality Standards Maximum Contaminant Levels
- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Connecticut Volatile Substances
- U.S. Connecticut Water Quality Standards Consumption of Organisms Only
- U.S. Connecticut Water Quality Standards Consumption of Water and Organisms
- U.S. Connecticut Water Quality Standards Health Designations
- U.S. Delaware Pollutant Discharge Requirements Reportable Quantities
- U.S. Florida Drinking Water Standards Volatile Organic Contaminants Maximum Contaminant Levels (MCLs)
- U.S. Florida Essential Chemicals List
- U.S. Georgia Drinking Water Maximum Contaminant Levels (MCLs)
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Idaho Occupational Exposure Limits Acceptable Maximum Peak Above the Ceiling Concentration for an 8-Hour Shift
- U.S. Idaho Occupational Exposure Limits Ceilings
- U.S. Idaho Occupational Exposure Limits TWAs
- U.S. Illinois Toxic Air Contaminants
- U.S. Louisiana Reportable Quantity List for Pollutants
- U.S. Maine Air Pollutants Hazardous Air Pollutants
- U.S. Maine Chemicals of High Concern
- U.S. Maryland Surface Water Quality Standards Consumption of Organisms Only
- U.S. Maryland Surface Water Quality Standards Consumption of Water and Organisms
- U.S. Massachusetts Allowable Ambient Limits (AALs)
- U.S. Massachusetts Allowable Threshold Concentrations (ATCs)
- U.S. Massachusetts Drinking Water Maximum Contaminant Levels (MCLs)
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 2
- U.S. Massachusetts Oil & Hazardous Material List Reportable Quantity
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 2

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- RTK U.S. Massachusetts Right To Know List
- U.S. Massachusetts Threshold Effects Exposure Limits (TELs)
- U.S. Massachusetts Toxics Use Reduction Act
- U.S. Michigan Occupational Exposure Limits STELs
- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Michigan Polluting Materials List
- U.S. Minnesota Chemicals of High Concern
- U.S. Minnesota Groundwater Health Risk Limits
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits STELs
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. Missouri Drinking Water Maximum Contaminant Levels (MCLs)
- U.S. Nebraska Drinking Water Maximum Contaminant Levels (MCLs)
- U.S. New Hampshire Drinking Water Maximum Contaminant Levels (MCLs)
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- U.S. New Jersey Environmental Hazardous Substances List
- U.S. New Jersey Primary Drinking Water Standards Maximum Contaminant Levels MCLs
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New Jersey Water Quality Ground Water Quality Criteria
- U.S. New Jersey Water Quality Practical Quantitation Levels (PQLs)
- U.S. New Mexico Water Quality Standards for Ground Water of 10,000 mg/L TDS Concentration or Less
- U.S. New York Occupational Exposure Limits TWAs
- U.S. New York Reporting of Releases Part 597 List of Hazardous Substances
- U.S. North Carolina Control of Toxic Air Pollutants
- U.S. North Dakota Air Pollutants Guideline Concentrations 8-Hour
- U.S. North Dakota Hazardous Wastes Discarded Chemical Products, Off-Specification Species, Container and Spill Residues
- U.S. North Dakota Water Quality Standards Human Health Value for Class III
- U.S. North Dakota Water Quality Standards Human Health Value for Classes I. IA. II
- U.S. Oregon Permissible Exposure Limits Ceilings
- U.S. Oregon Permissible Exposure Limits STELs
- U.S. Oregon Permissible Exposure Limits TWAs
- U.S. California Safer Consumer Products Initial List of Candidate Chemicals and Chemical Groups
- U.S. Pennsylvania Drinking Water Maximum Contaminant Levels (MCLs)
- RTK U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels 1-Hour
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels Annual
- U.S. Rhode Island Water Quality Standards Acute Freshwater Aquatic Life Criteria
- U.S. Rhode Island Water Quality Standards Chronic Freshwater Aquatic Life Criteria
- U.S. Rhode Island Water Quality Standards Human Health Criteria for Consumption of Aquatic Organisms Only
- U.S. Rhode Island Water Quality Standards Human Health Criteria for Consumption of Water and Aquatic Organisms
- U.S. South Carolina Maximum Contaminant Levels (MCLs)
- U.S. South Carolina Toxic Air Pollutants Maximum Allowable Concentrations
- U.S. South Carolina Toxic Air Pollutants Pollutant Categories
- U.S. Tennessee Occupational Exposure Limits STELs
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Texas City of Austin Aerosol Paint and Glue Restrictions
- U.S. Texas Drinking Water Standards Maximum Contaminant Levels (MCLs)
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

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- U.S. Utah Drinking Water Maximum Contaminant Levels (MCLs)
- U.S. Vermont Hazardous Waste Hazardous Constituents
- U.S. Vermont Permissible Exposure Limits STELs
- U.S. Vermont Permissible Exposure Limits TWAs
- U.S. Virginia Water Quality Standards Public Water Supply Effluent Limits
- U.S. Virginia Water Quality Standards Surface Waters Not Used for the Public Water Supply Effluent Limits
- U.S. Washington Dangerous Waste Dangerous Waste Constituents List
- U.S. Washington Dangerous Waste Discarded Chemical Products List
- U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits TWAs
- U.S. West Virginia Water Quality Groundwater Standards Ceiling Concentrations
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 25 Feet to Less Than 40 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 40 Feet to Less Than 75 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 75 Feet or Greater
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights Less Than 25 Feet

Propylene glycol monomethyl ether acetate (108-65-6)

- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

Stoddard solvent (8052-41-3)

- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Idaho Occupational Exposure Limits TWAs
- RTK U.S. Massachusetts Right To Know List
- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Minnesota Chemicals of High Concern
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New York Occupational Exposure Limits TWAs
- U.S. North Dakota Air Pollutants Guideline Concentrations 8-Hour
- U.S. Oregon Permissible Exposure Limits TWAs
- U.S. California Safer Consumer Products Initial List of Candidate Chemicals and Chemical Groups
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Vermont Permissible Exposure Limits TWAs
 U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits TWAs
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 25 Feet to Less Than 40 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 40 Feet to Less Than 75 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 75 Feet or Greater
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights Less Than 25 Feet

Zinc (7440-66-6)

- U.S. California Priority Toxic Pollutants Freshwater Criteria
- U.S. California Priority Toxic Pollutants Saltwater Criteria
- U.S. California Toxic Air Contaminant List (AB 1807, AB 2728)

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- U.S. Colorado Primary Drinking Water Regulations Secondary Maximum Contaminant Levels (SMCLs)
- U.S. Connecticut Water Quality Standards Acute Freshwater Aquatic Life Criteria
- U.S. Connecticut Water Quality Standards Acute Saltwater Aquatic Life Criteria
- U.S. Connecticut Water Quality Standards Chronic Freshwater Aquatic Life Criteria
- U.S. Connecticut Water Quality Standards Chronic Saltwater Aquatic Life Criteria
- U.S. Connecticut Water Quality Standards Consumption of Organisms Only
- U.S. Connecticut Water Quality Standards Consumption of Water and Organisms
- U.S. Connecticut Water Quality Standards Health Designations
- U.S. Delaware Pollutant Discharge Requirements Reportable Quantities
- U.S. Florida Drinking Water Standards Secondary Maximum Contaminant Levels (SMCLs)
- U.S. Georgia Drinking Water Secondary Maximum Contaminant Levels (SMCLs)
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Louisiana Reportable Quantity List for Pollutants
- U.S. Maryland Surface Water Quality Standards Acute Freshwater Aquatic Life
- U.S. Maryland Surface Water Quality Standards Acute Saltwater Aquatic Life Criteria
- U.S. Maryland Surface Water Quality Standards Chronic Freshwater Aquatic Life
- U.S. Maryland Surface Water Quality Standards Chronic Saltwater Aquatic Life Criteria
- U.S. Maryland Surface Water Quality Standards Consumption of Organisms Only
- U.S. Maryland Surface Water Quality Standards Consumption of Water and Organisms
- U.S. Massachusetts Drinking Water Secondary Maximum Contaminant Levels (SMCLs)
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 2
- U.S. Massachusetts Oil & Hazardous Material List Reportable Quantity
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 2
- RTK U.S. Massachusetts Right To Know List
- U.S. Massachusetts Toxics Use Reduction Act
- U.S. Michigan Polluting Materials List
- U.S. Minnesota Chemicals of High Concern
- U.S. Minnesota Groundwater Health Risk Limits
- U.S. Missouri Drinking Water Secondary Maximum Contaminant Levels (SMCLs)
- U.S. Nevada Drinking Water Secondary Maximum Contaminant Levels (SMCLs)
- U.S. New Hampshire Drinking Water Secondary Maximum Contaminant Levels (SMCLs)
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- U.S. New Jersey Environmental Hazardous Substances List
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Secondary Drinking Water Standards Recommended Upper Limits (RULs)
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New Jersey Water Quality Ground Water Quality Criteria
- U.S. New Jersey Water Quality Practical Quantitation Levels (PQLs)
- U.S. New Mexico Water Quality Standards for Ground Water of 10,000 mg/L TDS Concentration or Less
- U.S. New York Reporting of Releases Part 597 List of Hazardous Substances
- U.S. North Dakota Water Quality Standards Aquatic Life Acute Value for Classes I, IA, II, III
- U.S. North Dakota Water Quality Standards Aquatic Life Chronic Value for Classes I, IA, II, III
- U.S. North Dakota Water Quality Standards Human Health Value for Class III
- U.S. North Dakota Water Quality Standards Human Health Value for Classes I, IA, II
- U.S. Pennsylvania Beneficial Use of Sewage Sludge by Land Application Pollutant Ceiling Limits
- U.S. Pennsylvania Drinking Water Secondary Maximum Contaminant Levels (SMCLs)
- RTK U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- RTK U.S. Pennsylvania RTK (Right to Know) List

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- U.S. Rhode Island Air Toxics Acceptable Ambient Levels 24-Hour
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels Annual
- U.S. Rhode Island Water Quality Standards Acute Freshwater Aquatic Life Criteria
- U.S. Rhode Island Water Quality Standards Acute Saltwater Aguatic Life Criteria
- U.S. Rhode Island Water Quality Standards Chronic Freshwater Aquatic Life Criteria
- U.S. Rhode Island Water Quality Standards Chronic Saltwater Aquatic Life Criteria
- U.S. Rhode Island Water Quality Standards Human Health Criteria for Consumption of Aquatic Organisms Only
- U.S. Rhode Island Water Quality Standards Human Health Criteria for Consumption of Water and Aquatic Organisms
- U.S. South Carolina Secondary Maximum Contaminant Levels (SMCLs)
- U.S. Texas Drinking Water Standards Secondary Constituent Levels (SCLs)
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Utah Drinking Water Secondary Maximum Contaminant Levels (SMCLs)
- U.S. Virginia Water Quality Standards Acute Freshwater Aquatic Life
- U.S. Virginia Water Quality Standards Acute Saltwater Aquatic Life
- U.S. Virginia Water Quality Standards Chronic Freshwater Aquatic Life
- U.S. Virginia Water Quality Standards Chronic Saltwater Aquatic Life
- U.S. Virginia Water Quality Standards Public Water Supply Effluent Limits
- U.S. Virginia Water Quality Standards Surface Waters Not Used for the Public Water Supply Effluent Limits
- U.S. Alaska Water Quality Standards Acute Aquatic Life Criteria for Fresh Water
- U.S. Alaska Water Quality Standards Chronic Aquatic Life Criteria for Fresh Water
- U.S. Alaska Water Quality Standards Acute Aquatic Life Criteria for Marine Water
- U.S. Alaska Water Quality Standards Chronic Aquatic Life Criteria for Marine Water
- U.S. Arkansas Surface Water Quality Standards Chronic Aquatic Life Criteria
- U.S. Arkansas Surface Water Quality Standards Acute Aquatic Life Criteria

Solvent naphtha, petroleum, light aliphatic (64742-89-8)

- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

Canadian Regulations

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Toluene (108-88-3)	
Listed on the Canadian DS	L (Domestic Substances List) inventory.
Listed on the Canadian Ing	redient Disclosure List
IDL Concentration 1 %	
WHMIS Classification	Class B Division 2 - Flammable Liquid
	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
	Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects

Propylene glycol monomethyl ether acetate (108-65-6)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class B Division 3 - Combustible Liquid

Stoddard solvent (8052-41-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.

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Listed on the Canadian Ingredient Disclosure List	
IDL Concentration 1 %	
WHMIS Classification	Class B Division 3 - Combustible Liquid
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Zinc (7440-66-6)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class B Division 6 - Reactive Flammable Material
Solvent naphtha, petroleum, light aliphatic (64742-89-8)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class B Division 2 - Flammable Liquid
	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 07/28/2014

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA

Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1B	Carcinogenicity Category 1B
Flam. Liq. 1	Flammable liquids Category 1
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Muta. 1B	Germ cell mutagenicity Category 1B
Repr. 2	Reproductive toxicity Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H224	Extremely flammable liquid and vapor
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life

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H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
NFPA Health Hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA Fire Hazard	: 3 - Liquids and solids that can be ignited under almost all ambient conditions.
NFPA Reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

Party Responsible for the Preparation of This Document

J.P. Nissen Co. 2544 Fairhill Avenue Glenside, PA 19038 215-886-2025

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012 & WHMIS

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