



MATERIAL SAFETY DATA SHEET

WS-1000 / POWERCOOL

1 PRODUCT AND COMPANY INFORMATION

Product Identifier: WS-1000 / PowerCool
Product Use: Moderate to heavy-duty water-soluble oil for cutting and grinding
Manufacturer: ITW ROCOL North America
Address: 3624 West Lake Avenue, Glenview, Illinois 60026
 Tel: 800-452-5823 ext. 2 or 847-657-5278
Emergency Info: CHEMTREC, Tel: 800-424-9300 or 1-703-741-5500 outside the U.S.

2 HAZARDS IDENTIFICATION

Emergency Overview: No hazards resulting from the material supplied.
HMIS Rating: *Health: 1 Flammability: 1 Reactivity: 0 Personal Protection: B*
Routes of Entry: Skin, eyes, respiratory tract, digestive system.
Potential Health Effects:
Skin: May cause mild irritation.
Eyes: May cause mild irritation.
Inhalation: May cause irritation to nose and throat. Inhalation of vapors or mist may cause headache, dizziness, and drowsiness.
Ingestion: Harmful if swallowed, may cause nausea and vomiting. Ingesting large quantities may cause injury or death.

Medical conditions aggravated by exposure to product: None identified

3 CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS

Ingredients	CAS #	OSHA/PEL (TWA)	ACGIH/TLV (TWA)
Hydrotreated heavy naphthenic distillates	64742-52-5	5 mg/m ³ (as mist)	5 mg/m ³ (as mist)
Triethanolamine	102-71-6	5 mg/m ³	5 mg/m ³
Hexahydro-1,3,5-tris (2-hydroxyethyl)-s-triazine	4719-04-4	None established	None established
Primary amino alcohol	Proprietary	None established	None established
Chlorinated paraffin	61788-76-9	None established	None established

NOTE: The exact chemical identities and percentages of the ingredients in this product are withheld as trade secrets provided under OSHA's Hazard Communication Rule, 29 CFR.1910.1200.

4 FIRST AID MEASURES

Skin contact: Immediately wash the exposed area thoroughly with soap and water. Remove contaminated clothing. Wash before reuse. If irritation persists, consult physician.
Eye contact: In case of contact, immediately flush with water for at least 15 minutes. If irritation persists, consult physician.
Inhalation: If inhaled, move to fresh air. If irritation persists, consult physician.
Ingestion: If swallowed, DO NOT induce vomiting. Contact a physician immediately. If vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs.

NOTE: In all severe cases, consult a physician immediately. Local telephone operators can provide information for regional poison control centers.

5 FIRE FIGHTING MEASURES

Flammability:	Non-flammable
Products of Combustion:	Oxides of carbon (CO, CO ₂)
Flash Point:	> 200°F (93°C) Method: (PMCC)
Explosion Data:	Sensitivity to mechanical impact: None known Sensitivity to static discharge: None known
Fire-Fighting Media:	In case of fire, use carbon dioxide, dry chemicals, or foam.
Fire-Fighting Procedures/Equipment:	Self contained breathing apparatus and protective clothing is recommended to protect fire fighters from any hazardous combustion or decomposition products. Pressure build-up in the closed container may occur due to heat exposure.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use appropriate safety equipment. Avoid inhaling vapors or mist. Avoid contact with eyes, skin and clothing.
Environmental Precautions:	Do not allow spilled product to enter drains, sewers, or waterways.
Cleanup:	Ventilate area. Eliminate all sources of heat and flame. Stop leak if safe to do so. Contain spill. Use absorbent material, such as vermiculite or sand. Place in suitable container for later disposal.
Prohibited Materials:	None

7 HANDLING AND STORAGE

Handling	Use appropriate safety equipment. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Keep away from extreme heat. Keep container closed when not in use.
Storage	Store away from extreme heat, flame, or ignition sources. Pressure build up may occur due to heat exposure or temperature change. Release pressure by slowly opening container.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Hygiene Measures:	Avoid contact with eyes, skin and clothing. Do not eat, drink, or smoke while handling this product.
Control Measures:	General ventilation should be sufficient. Providing approved respirators for emergencies, or when mist/vapor concentrations are unknown may be warranted. Availability of eye wash station, washing facilities and safety shower is recommended.
Personal Protection:	
Skin:	Wear suitable glove. Chemical resistant gloves, such as polyvinyl chloride-coated, are recommended. Wear protective clothing suitable to prevent contact. Remove contaminated clothing and launder before wearing.
Eyes:	Safety glasses are recommended.
Respiratory:	Not normally required. Control vapor or mist concentrations below exposure limits through use of general or local exhaust ventilation.



9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Vapor Pressure:	< 1 mmHg
Color:	Golden yellow-light brown	Water Solubility:	Emulsifies
Odor:	Characteristic	Specific Gravity, Density:	0.97, 8.1 lbs/gal
pH at 10% (10:1):	9.4	Vapor Density:	Heavier than air (> 1)
Boiling Point:	> 212°F (100°C)	Evaporation Rate:	> 0.1
Melting/Freezing Point:	N/A		

10 STABILITY AND REACTIVITY

Stability/Reactivity:	Stable, hazardous polymerization will not occur.
Conditions to Avoid:	None
Materials to Avoid:	Strong oxidizing or reducing agents.
Hazardous Decomposition Products:	Fumes and possibly smoke containing carbon monoxide (CO) and carbon dioxide (CO ₂).

11 TOXICOLOGICAL INFORMATION

Acute Studies:	Tests on similar materials show a low order of acute oral and dermal toxicity.
Eye Effects:	Minimal irritation on contact.
Skin Effects:	May cause mild irritation with prolonged and repeated contact.
Acute Oral Effects:	Tests on similar materials indicate low order of acute toxicity.
Acute Inhalation:	Low acute toxicity expected on inhalation.
Carcinogenic:	None of the ingredients in this product are listed by IARC, ACGIH, NTP or OSHA as carcinogenic.

12 ECOLOGICAL INFORMATION

No data available.

13 DISPOSAL CONSIDERATIONS

Handling for Disposal:	Absorb on suitable material (see Section 8) and follow procedures listed below.
Methods of Disposal:	Dispose of in a manner that is recommended by local, state, provincial and federal laws and regulations.

NOTE: Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive than federal laws and regulations.

14 TRANSPORTATION INFORMATION

Not classified as hazardous for transport (DOT, TDG, CFR, IMO, ICAO).

15 REGULATORY INFORMATION

WHMIS:	No data
CEPA:	No data
TSCA:	All ingredients are included in the TSCA inventory.
SARA Title III:	Contains no ingredients which exceed De Minimus reporting requirements.
California Proposition 65:	The product contains no chemicals known to the state of California to cause cancer or reproductive toxicity.

16 OTHER INFORMATION

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References:

1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices, 2004.
2. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2004.
3. US EPA Title III Lists of Lists - October 2001 version.
4. Material Safety Data Sheets from manufacturer.

NOTE: The information in this document is believed to be accurate as of the date of issue. However, no guarantee or warranty of any kind is expressed or implied.