MATERIAL SAFETY DATA SHEET

SAFETAP PLUS

1 PRODUCT AND COMPANY INFORMATION

Product Identifier: SafeTap Plus
Product Use: Metalworking tapping fluid
Manufacturer: ITW ROCOL North America
Address: 3624 West Lake Avenue, Glenview, Illinois 60026
Tel: 800-452-5823 x2 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:*** 0 ***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 headache, dizziness and irritate the mucous membranes.
Ingestion: No hazards anticipated from ingestion incidental to industrial exposure.
Medical conditions aggravated by exposure to product: None identified

3 CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS

Ingredients	**CAS #**	**OSHA/PEL** (TWA)	**ACGIH/TLV** (TWA)
Triethanolamine	102-71-6	5mg/m3	5mg/m3

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: None

Explosion Data: ***Sensitivity to mechanical impact:*** None ***Sensitivity to static discharge:*** None

Fire-Fighting Media: In case of fire, use carbon dioxide, dry chemicals, foam, fog, sand, or earth.

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. Keep away from heat, sparks, flame, or ignition sources.

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 oxidizing agents, extreme heat, flame, or ignition sources. Store and use in a well ventilated area. Store in closed container between 50-120°F (10-49°C).

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:	Amber	**Water Solubility:**	Soluble
Odor:	Mild	**Specific Gravity:**	1.01
pH:	8.8	**Vapor Density:**	Greater than air (> 1)
Boiling Point:	212°F (100°C)	**VOC Content:**	Nil
Melting/Freezing Point:	N/A		

10 STABILITY AND REACTIVITY

Stability/Reactivity: Stable, hazardous polymerization will not occur.

Conditions to Avoid: Extreme heat.

Materials to Avoid: Strong oxidizers.

Hazardous Decomposition Products: Thermal decomposition or burning will produce carbon monoxide, carbon dioxide, and thick smoke.

11 TOXICOLOGICAL INFORMATION

LD50: Not determined for the product.

LC50: Not determined for the product.

Carcinogenic: None of the ingredients in this product are listed by IARC, ACGIH, NTP, or OSHA as carcinogenic.

Teratogenicity: No information.

Mutagenicity: No information.

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

OSHA: This product is not hazardous under the criteria of the Federal OSHA Hazardous Communication Standard 29 CFR 1910.1200.

WHMIS: None.

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, CCInfoWeb 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.