

# MATERIAL SAFETY DATA SHEET



## Synthetic

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### SECTION 1 Product and Company Information

**Product identifier** Accu-Lube Synthetic  
**Product use** Metalworking lubricant  
**Manufacturer** ITW ROCOL North America  
3624 West Lake Avenue  
Glenview, Illinois 60026  
1-800-452-5823  
**Emergency info** After 5:00pm CST: CHEMTREC, 1-800-424-9300

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### SECTION 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 short-term 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.

**Potential long-term health effects** None identified

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### SECTION 3 Chemical Composition/Hazardous Ingredients

Ingredients	CAS #	OSHA/PEL (TWA)	ACGIH/TLV (TWA)
Triethanolamine	102-71-6	N/AP	5 mg/m <sup>3</sup>

Chemical subject to the reporting requirements of OSHA's Hazard Communication Standard 29 CFR 1910.1200.

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**SECTION 4****First Aid Measures**

<b>Skin contact</b>	Immediately wash the exposed area thoroughly with soap and water. Remove contaminated clothing. Wash before reuse. If irritation persists, consult physician.
<b>Eye contact</b>	In case of contact, immediately flush with water for at least 15 minutes. If irritation persists, consult physician.
<b>Inhalation</b>	If inhaled, move to fresh air. If irritation persists, consult physician.
<b>Ingestion</b>	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.

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**SECTION 5****Fire Fighting Measures**

<b>Flammability</b>	Non-flammable
<b>Products of combustion</b>	Oxides of carbon (CO, CO <sub>2</sub> ).
<b>Flash point (method)</b>	> 212°F (100°C) (PMCC)
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None
<b>Sensitivity to static discharge</b>	None
<b>Fire-fighting media and instructions</b>	In case of fire, use carbon dioxide, dry chemicals, foam, fog, sand, or earth.
<b>Special fire-fighting procedures/equipment</b>	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.  **Exercise care when disposing of rags contaminated with this product. For additional information on oily rag fires, contact your local fire department.

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**SECTION 6****Accidental Release Measures**

<b>Personal precautions</b>	Use appropriate safety equipment. Avoid inhaling vapors or mist. Avoid contact with eyes, skin and clothing.
<b>Environmental precautions</b>	Do not allow spilled product to enter drains, sewers, or waterways.
<b>Cleanup</b>	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.
<b>Prohibited materials</b>	None

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**SECTION 7****Handling and Storage**

<b>Handling</b>	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.
<b>Storage</b>	Store away from oxidizing agents, extreme heat, flame, or ignition sources. Store and use in a well ventilated area. Store in closed containers between 50°F and 120°F (10°C and 49°C).

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**SECTION 8****Exposure Controls and Personal Protection**

<b>Hygiene measures</b>	Avoid contact with eyes, skin and clothing. Do not eat, drink, or smoke while handling this product.
<b>Control measures</b>	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.
<b>Personal protection</b>	
<b>Skin</b>	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.
<b>Eyes</b>	Safety glasses are recommended.
<b>Respiratory</b>	Not normally required. Control vapor or mist concentrations below exposure limits through use of general or local exhaust ventilation.



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**SECTION 9****Physical and Chemical Properties**

<b>Physical state</b>	Liquid
<b>Color</b>	Blue-green
<b>Odor</b>	Mild
<b>pH</b>	8.6
<b>Boiling point</b>	≥ 212°F (100°C)
<b>Melting/freezing point</b>	≤ 32°F (0°C)
<b>Vapor pressure</b>	< 1 mmHg
<b>Solubility in water</b>	Soluble
<b>Specific gravity</b>	1.04
<b>Vapor density</b>	> 1
<b>Volatile organic compounds</b>	Nil

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**SECTION 10****Reactivity and Stability**

<b>Stability and reactivity</b>	Stable. Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Extreme heat
<b>Materials to avoid</b>	Strong oxidizers
<b>Hazardous decomposition products</b>	Thermal decomposition or burning will produce carbon monoxide, carbon dioxide, and thick smoke.

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<b>SECTION 11</b>	<b>Toxicological Information</b>
<b>LD50</b>	Not determined for the product
<b>LC50</b>	Not determined for the product
<b>Carcinogenic</b>	None of the ingredients in this product are listed by IARC, ACGIH, NTP or OSHA as carcinogenic.
<b>Teratogenicity</b>	No information
<b>Mutagenicity</b>	No information

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<b>SECTION 12</b>	<b>Ecological Information</b>
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<b>Environmental toxicity</b>	None reported
<b>Aquatic toxicity</b>	No data

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<b>SECTION 13</b>	<b>Disposal Considerations</b>
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<b>Handling for disposal</b>	Absorb on suitable material and follow procedures listed below.
<b>Methods of disposal</b>	Dispose of in a manner that is recommended by local, state, provincial and federal laws and regulations.


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<b>SECTION 14</b>	<b>Transportation Information</b>
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Not classified as hazardous for transport (DOT, TDG, CFR, IMO, ICAO).

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<b>SECTION 15</b>	<b>Regulatory Information</b>
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<b>OSHA status</b>	See Section 3
<b>CERCLA</b>	None
<b>WHMIS information</b>	Class D2B 
<b>TSCA information</b>	All ingredients are included in the TSCA inventory.
<b>SARA Title III</b>	Contains no ingredients which exceed De Minimus reporting requirements.
<b>California Prop 65</b>	The product contains no chemicals known to the state of California to cause cancer or reproductive toxicity.

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<b>SECTION 16</b>	<b>Other Information</b>
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<b>Prepared by</b>	<i>ITW</i> ROCOL North America, Leroy Hitchcock, 1-800-452-5823		
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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.