

# MATERIAL SAFETY DATA SHEET



## G-25B

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### SECTION 1 Product and Company Information

**Product identifier** Rustlick G-25B  
**Product use** Synthetic grinding fluid  
**Manufacturer** ITW ROCOL North America  
3624 West Lake Avenue  
Glenview, Illinois 60026  
1-800-452-5823  
**Emergency info** 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 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.

**Potential long-term health effects** Not known

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### SECTION 3 Chemical Composition/Hazardous Ingredients

Ingredients	CAS #	OSHA/PEL (TWA)	ACGIH/TLV (TWA)
Triethanolamine	102-71-6	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Monoethanolamine	141-43-5	3 ppm	3 ppm
Diethanolamine	111-42-2		

\* Exact chemical identities and percentages are withheld as trade secrets provided under 29CFR.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>Flammable limits</b>	Not available
<b>Products of combustion</b>	Oxides of carbon (CO, CO <sub>2</sub> ).
<b>Flash point (method)</b>	> 200°F (93°C) (PMCC)
<b>Auto-ignition temperature</b>	Not available
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None known
<b>Sensitivity to static discharge</b>	None known
<b>Fire-fighting media and instructions</b>	In case of fire use water carbon dioxide, dry chemicals, foam, or alcohol foam.
<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.

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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>CAUTION: This product is not intended for use with carbide grinding!</b>
<b>Storage</b>	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.

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**SECTION 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.



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

Liquid

**Color**

Yellow/orange

**Odor**

Amine

**pH at 10%**

9.7

**Boiling point**

212°F (100°C)

**Melting/freezing point**

Not available

**Vapor pressure**

Not available

**Solubility in water**

Soluble

**Specific gravity**

1.04

**Vapor density**

> 1

**Evaporation rate**

< 1

**Volatile organic compounds**

Nil

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

Stable. Hazardous polymerization will not occur.

**Conditions to avoid**

Do not mix product with nitrites, under certain conditions amines may react with nitrites to form potentially carcinogenic nitrosamines.

**Materials to avoid**

Strong oxidizing agents

**Hazardous decomposition products**

Thermal decomposition or burning will produce carbon monoxide and carbon dioxide (CO, CO<sub>2</sub>).

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**SECTION 11****Toxicological Information**

<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 data
<b>Mutagenicity</b>	No data
<b>Medical conditions aggravated by exposure</b>	Skin disorders.

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**SECTION 12****Ecological Information**

<b>Environmental toxicity</b>	None reported
<b>Aquatic toxicity</b>	No data

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**SECTION 13****Disposal Considerations**

<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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**SECTION 14****Transportation Information**

Not classified as hazardous for transport according to IATA, 49CFR, and IMDG regulations.

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**SECTION 15****Regulatory Information**

<b>WHMIS information</b>	No data
<b>CEPA information</b>	No data
<b>TSCA information</b>	All ingredients are included in the TSCA inventory.
<b>SARA Title III</b>	<b>302/303:</b> None <b>311/312 Hazard Class:</b> Immediate and delayed <b>313:</b> Diethanolamine (111-42-2)
<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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**SECTION 16****Other Information**

<b>Prepared by</b>	<i>ITW</i> ROCOL North America, Leroy Hitchcock, 1-800-452-5823		
<b>Date of issue</b>	December 15, 2008	<b>Date of previous issue</b>	December 16, 2003

**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.