

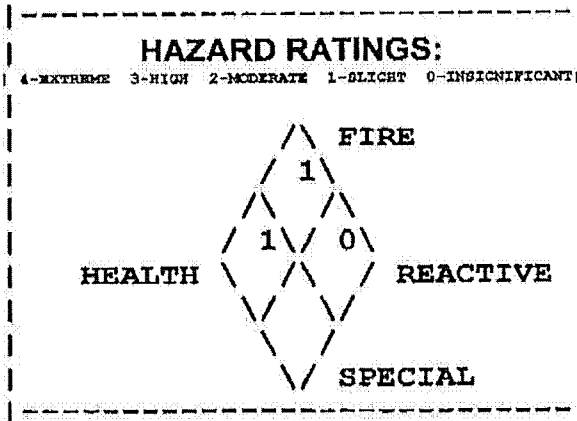
**MATERIAL SAFETY DATA SHEET**  
 O S H A FORM 174  
 may be used to comply with OSHA Hazard  
 Communication Standard ( 29 CFR 1910.1200 )  
 Consult OSHA standard for specific requirements

**PUROCHEM, INC.**  
**1203 AMBASSADOR BLVD.**  
**ST. LOUIS, MO 63132**

**PHONE NUMBER:**  
 ( 800 ) 752-7657 Toll Free DAY TIME ONLY

Date Of Issue:5/01

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**TRADE NAME OF PRODUCT :**  
**Metal Craft Surface Prep Cleaner**

**FAMILY OF PRODUCT:**  
**Water Base Degreaser**

**FORMULA:**  
**Liquid Mixture**

**DOT HAZARD CLASS:**  
**Not Regulated**

\*\*\*\*\* SECTION II - HAZARDOUS INGREDIENTS \*\*\*\*\*

| Substance                       | CAS Reg. Number | Approximate Percentage | OSHA PEL | ACGIH TLV | Carcinogenicity |      |      |
|---------------------------------|-----------------|------------------------|----------|-----------|-----------------|------|------|
|                                 |                 |                        |          |           | NTP             | IARC | OSHA |
| Ethoxylated Nonylphenol         | 9016-45-9       | 1-5                    | N/A      | N/A       | N               | N    | N    |
| Dipropylene Glycol Methyl Ether | 34590-84-8      | 5-10                   | 100 ppm  | 100 ppm   | N               | N    | N    |
| 2-Propanol (Isopropyl Alcohol)  | 67-63-0         | 1-5                    | 980 ppm  | 985 ppm   | N               | N    | N    |

NOTE: SARA 313 TOXIC CHEMICALS, IF PRESENT, ARE PRECEDED BY A \*  
 This product contains no other components considered hazardous  
 according to the criteria of 29 CFR 1910.1200

\*\*\*\*\* SECTION III - PHYSICAL DATA \*\*\*\*\*

Boiling point (°F): 212  
 Vapor pressure (mmHg): Not Det.  
 Vapor density (air=1): Not Det.  
 Solubility in water: Complete  
 Appearance / Odor: Clear Liquid with a Citrus Odor

Specific Gravity: .99-1.01  
 % Volatile (volume %): >90  
 Evaporation rate (water=1): <1  
 pH:

\*\*\*\*\* SECTION IV - FIRE AND EXPLOSION DATA \*\*\*\*\*

Flash Point (°F): 100 F. minimum (TCC) due to alcohol content.  
 Extinguishing media: Product does not support combustion.  
 Special fire fighting procedures: None  
 Unusual Fire / explosion hazard: None

\*\*\*\*\* SECTION V - HEALTH HAZARD DATA \*\*\*\*\*  
Threshold limit value: Not Established

Effects of Overexposure to Concentrate:

Eyes: Irritating to eyes, May cause irritation and redness, possible burns.  
Skin: Repeated or prolonged exposure to the concentrated product may cause skin irritation, defatting of the skin and possible dermatitis.  
Ingestion: May cause burns to the mouth, lips and stomach. Intestinal irritation.  
Inhalation: May be irritating to the airways and lungs, depending on amount and duration of exposure. People with asthma or other lung problems may be more susceptible to inhalation of this product.

Emergency first aid procedures:

Eyes: Flush at once with cool, running water. Remove contact lenses. Holding eyelids apart, continue flushing for 15 minutes.  
Skin: Wash skin with soap and water. Wash contaminated clothing before reuse.  
Ingestion: Rinse mouth; then drink 1 or 2 glasses of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.  
Inhalation: Move person to fresh air.

"IF IRRITATION PERSISTS, CALL A PHYSICIAN OR POISON CONTROL CENTER"

\*\*\*\*\* SECTION VI - REACTIVITY DATA \*\*\*\*\*

Stability: Stable                      Conditions to avoid: Excessive Heat, Sparks, Open Flames.  
Incompatibility: Strong acids and oxidizers.  
Hazardous decomposition products: Thermal decomposition may yield carbon monoxide and carbon dioxide and other unknown by-products of combustion.  
Hazardous polymerization: Will not occur.

\*\*\*\*\* SECTION VII - SPILL OR LEAK PROCEDURES \*\*\*\*\*

Steps to be taken if material is released or spilled: USE PROPER PROTECTIVE EQUIPMENT WHEN CLEANING UP SPILLS! Small spills may be mopped up and rinse area with water, or soaked up on an inert absorbant. Large spills should be contained and pumped into containers for proper disposal, or soaked up on a inert absorbant and put into container for proper disposal.

Waste disposal method: IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS

\*\*\*\*\* SECTION VIII - SPECIAL PROTECTION INFORMATION \*\*\*\*\*

Respiratory protection: Use with adequate ventilation.  
Ventilation - Local exhaust: Ventilate to maintain exposure below limits.  
- Mechanical: Not necessary under normal conditions of use.

Protective gloves: Rubber gloves for repeated or prolonged contact with skin.  
Eye protection: Splash proof glasses or goggles if possible contact can occur.  
Other protective equipment: None required under normal conditions of handling.

\*\*\*\*\* SECTION IX - SPECIAL PRECAUTIONS \*\*\*\*\*

Precaution for handling and storage: Store in a cool place away from Heat, Sparks and Open Flames. Keep out of the reach of children.  
Other precautions: The user of any chemical products should be aware of the potential hazards, known and unknown, and their effect on the human system. We strongly urge that all users minimize their exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

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