

M A T E R I A L S A F E T Y D A T A S H E E T

A Product of: Date: 1-1-98
Watson Technical Associates Ref. No.: 1204
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SECTION I - PRODUCT IDENTIFICATION

Trade Name: COIL BRUTE
Chemical name / synonyms: Phosphoric Acid Solution
Formula: Mixture
D.O.T.: Compounds, Cleaning Liquid (Contains Phosphoric Acid) 8, NA 1760, PG III
HMIS CODE: Health 2, Fire 0, Reactivity 0
HMIS KEY: 4=Extreme, 3=High, 2=Moderate, 1=Slight,
0=insignificant

SECTION II - HAZARDOUS INGREDIENTS

| Substance | % Composition | TLV |
|--|---------------|---------------------|
| Phosphoric Acid CAS# 7664-38-2 | 15 - 25 | 1 mg/m ³ |
| Dipropylene Glycol Methyl Ether CAS# 34590-94-8 | 1 - 2 | 100 ppm |

SECTION III - PHYSICAL DATA

Boiling Pt (°F): 212 Specific Gravity: 1.07 (+-.03)
Vapor Pressure(mm Hg): NA Percent Volatile: <2
Vapor Density (air=1): NA Evaporation Rate (water=1): 1
Solubility in water: complete pH: 1
Appearance and Odor: clear liquid, characteristic odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Pt (°F): Not determined
Flammable limits in air: Upper: NA Lower: NA
Extinguishing Media: As necessary for surrounding fire
Special fire fighting procedures: NA
Unusual fire and explosion hazard: NA

SECTION V - HEALTH HAZARD DATA - ROUTES OF ENTRY

Threshold Limit Value: See Section II
Acute Effects of Overexposure: EYES- irritation, redness, tearing. SKIN- irritation, dermatitis. INHALATION- nausea, dizziness, headache. INGESTION- nausea, dizziness, harmful if swallowed.
Chronic Effects of Exposure: Not known.
Emergency and First Aid Procedures: EYES- flush with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention. SKIN- remove contaminated clothing and launder before reuse. Wash skin with soap and water. INHALATION- remove person to fresh air. Administer artificial respiration if

indicated. Obtain immediate medical assistance. INGESTION- rinse mouth with water, then drink copious amounts of water to cause dilution in stomach. Do not induce vomiting. Call physician or poison center immediately.

SECTION VI - REACTIVITY DATA

Stability: stable
Hazardous decomposition products: carbon monoxide and unidentified organic compounds may be formed during combustion.
Hazardous polymerization products: Will not occur.
Conditions to avoid: Mixing with strong alkalis, bleach, or ammonia.

SECTION VII - SPILL OR LEAK PROCEDURE

Steps to be taken if material is released or spilled:
Large spills- dike and contain. Place in non leaking containers for disposal agency.
Small spills- soak or mop up. Small spills may be flushed to sewer.
Waste disposal method: Observe applicable local disposal regulations which may include containment, impoundment, evaporation, or slow addition to sewer.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH approved respirator for acid solutions if product is to be sprayed.

Ventilation -local exhaust: recommended

-mechanical exhaust: recommended

Protective gloves: rubber Eye protection: chemical goggles if contact is likely.

Other protective equipment: none

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Store above 35°F. Keep container tightly closed when not in use.

Other precautions: KEEP OUT OF REACH OF CHILDREN.

NA refers to NOT APPLICABLE on this form.

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet is the responsibility of the user.

This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication Regulations and Massachusetts Right to Know Law.