

Material Safety Data Sheet

May be used to Comply with
OSHA's Hazard Communication Standard 29 CFR 1910.
Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form) Form Approved OMB No. 1218-0072

Identity (As Used On Label and List)

| | | |
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| 438 | Non-Acid Coil Cleaner | NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that. |
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| Section I—Manufacturer's Name (Address, Street, City, State, & Zip Code) | HAZARD RATING | |
|--|---|--|
| Venus Laboratories, Inc. Midwestern Division 855 Lively Blvd. Wood Dale, IL 60191 | Emergency Telephone Number Chemtrec 1-800-424-9300 | HEALTH 2 FLAMMABILITY 0 |
| | Telephone Number for Information (630) 595-1900 | REACTIVITY 1 |
| | Date Prepared | Protective Equipment: Goggles, Gloves |
| | Revised: 7/13/05 | |
| | 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Extreme | |

| Section II—Hazardous Ingredients / Identity Information | Other Limits | | | |
|--|--------------|-----------|-------------|--------------|
| Hazardous Components (Specify Chemical Identity, Common Names) | OSHA PEL | ACGIH TLV | Recommended | % (optional) |
| Propylene Glycol T-Butyl Ether CAS#57018-52-7 (PTB) | Not Est. | Not Est. | N/A | |
| Sodium Hydroxide CAS#1310-73-2 (Caustic Soda) | 2 mg/m3 | 2 mg/m3 | N/A | |

Section III—Physical Chemical Characteristics

| | | | |
|---------------------|--|-----------------------------|-------|
| Boiling Point | >200°F | Specific Gravity (WATER =1) | 1.044 |
| Vapor Pressure | ND | Melting Point | N/A |
| Vapor Density | ND | Evaporation Rate | ND |
| Solubility in Water | Infinite | | |
| Appearance and Odor | clear light blue liquid with slight odor | | |

Section IV—Fire and Explosion Hazard Data

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|--------------------------------|------------------|-----|-----|
| Flash Point >200°F (T.C.C.) | Flammable Limits | LEL | UEL |
| | | N/A | N/A |

Extinguishing Media
water spray, dry chemical, carbon dioxide

Special Fire Fighting Procedures
Use self-contained breathing apparatus when fighting fires.

Unusual Fire and Explosion Hazards
None

Section V—Reactivity Data

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| Stability | Unstable | Conditions to Avoid Extremes in temperature | | |
| | | | | |
| | Stable X | | | |
| Incompatibility (Materials to Avoid) | Strong acids | | | |
| Hazardous Decomposition or Byproducts | carbon dioxide and carbon monoxide | | | |
| Hazardous Polymerization | May Occur | | Conditions to Avoid | None |
| | Will Not Occur | X | | |

Section VI-Health Hazard Data

| | | | | | | |
|--------------------|-------------|-----|-------|-----|------------|-----|
| Route(s) of Entry: | Inhalation? | Yes | Skin? | Yes | Ingestion? | Yes |
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Health Hazards (Acute and Chronic)

Acute: Eyes-can cause irritation. Skin-can cause irritation. Ingestion-can cause gastrointestinal disturbances.
Chronic: None known.

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| Carcinogenicity: | NTP? N/A | IARC Monographs? N/A | OSHA Regulated? N/A |
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| Signs and Symptoms of Exposure | Eye and skin irritation |
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| Medical Conditions Generally Aggravated | None known |
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| Emergency and First Aid Procedures | Eyes- Flush with water. Get medical attention. Skin- Wash with soap and water. If irritation persists, get medical attention. Ingestion- Get medical attention. Inhalation- Remove to fresh air. |
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Section VII-Precautions For Safe Handling and Use

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| Steps to be Taken in Case Material is Released or Spilled | Ventilate area. Absorb with clay type material and sweep to proper containers. |
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| Waste Disposal | In accordance with federal,state and local regulations. |
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| Precautions to be Taken in Handling and Storage | Keep containers closed when not in use. |
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| Other Precautions | Keep away from children. |
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Section VIII—Control Measures

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| Respiratory Protection (Specify Type) | None required under normal use conditions. |
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| Ventilation | Local Exhaust | Only if mechanical is inadequate. | Special | N/A |
| | Mechanical (General) | Satisfactory | Other | N/A |

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| Protective Gloves | Rubber or PVC | Eye Protection | Goggles |
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| Other Protective Clothing or Equipment | Eye wash station | Work / Hygienic Practices | Observe good personal hygiene. Wash hands before eating, avoid inhalation or ingestion. |
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