

MATERIAL SAFETY DATA SHEET



J-Shop Heavy Duty Industrial Degreaser

| HMIS | | NFPA | Personal protective equipment | | |
|-------------|---|------|-------------------------------|--|--|
| Health | 3 | 3 | | | |
| Fire Hazard | 0 | 0 | | | |
| Reactivity | 0 | 0 | | | |

Version Number: 1

Preparation date: 2006-10-03

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: J-Shop Heavy Duty Industrial Degreaser

MSDS #: MS0200046

Product code: 5151, 4442594, 4442607

Recommended use: Industrial/Institutional. Cleaning product. This product is intended to be diluted prior to use.

Manufacturer, importer, supplier:
 US Headquarters
 JohnsonDiversey, Inc.
 8310 16th St.
 Sturtevant, Wisconsin 53177-0902
 Phone: 1-888-352-2249
 MSDS Internet Address:
 www.johnsondiversev.com

Canadian Headquarters
 JohnsonDiversey - Canada, Inc.
 2401 Bristol Circle
 Oakville, Ontario L6H 6P1
 Phone: 1-800-668-3131

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES SKIN AND EYE BURNS. HARMFUL OR FATAL IF SWALLOWED. USE ONLY IN WELL-VENTILATED AREAS.

Principal routes of exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Eye contact: Corrosive. Causes permanent eye damage, including blindness.

Skin contact: Corrosive. Causes permanent damage.

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract. Avoid repeated or prolonged inhalation of vapors or spray mist which may cause cumulative effects. Persons with pre-existing respiratory conditions should be particularly careful about possible respiratory effects.

Ingestion: Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

| Ingredient(s) | CAS # | Weight % | LD50 Oral - Rat | LD50 Dermal - Rabbit | LC50 Inhalation - Rat |
|---------------------------------|------------|----------|-----------------|----------------------|-----------------------|
| Alcohol ethoxylates | 34398-01-1 | 5 - 10% | Not available | Not available | Not available |
| Sodium hydroxide | 1310-73-2 | 1 - 5% | =140 mg/kg | =1350 mg/kg | Not available |
| Dipropylene glycol methyl ether | 34590-94-8 | 5 - 10% | =5230 mg/kg | =9500 mg/kg | Not available |

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with running water for at least 15-20 minutes, keeping eyelids open. Get medical attention immediately.

Skin contact: Flush immediately with plenty of water for at least 15-20 minutes. Get medical attention immediately.

Inhalation: If breathing is affected, remove to fresh air. Get medical attention immediately.

Ingestion: If swallowed, give a cupful of water or milk. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Specific hazards: None known.

Usual hazards: Corrosive material (See sections 8 and 10).

Specific methods: No special methods required.

5. FIRE-FIGHTING MEASURES

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods: Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only in well-ventilated areas. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. **FOR COMMERCIAL AND INDUSTRIAL USE ONLY.**

Storage: Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. **KEEP OUT OF REACH OF CHILDREN.**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure: Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

Eye protection: Chemical splash goggles.
Hand protection: Chemical resistant gloves
Skin and body protection: Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.
Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

| Ingredient(s) | CAS # | ACGIH | OSHA | Mexico |
|---------------------------------|------------|---------------------------------|---------------------------|---|
| Sodium hydroxide | 1310-73-2 | 2 mg/m ³ (Ceiling) | 2 mg/m ³ (TWA) | 2 mg/m ³ (Ceiling) |
| Dipropylene glycol methyl ether | 34590-94-8 | 150 ppm (STEL) 100 ppm (TWA) | | 150 ppm (STEL) 900 mg/m ³ (STEL) 60 mg/m ³ (TWA) 100 ppm (TWA) |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--|
| Physical State: Liquid | Bulk density: No information available |
| pH: 13.0 | Dilution pH: No information available. |
| Appearance: Aqueous solution | Vapor density: No information available |
| Color: Red | Evaporation Rate: No information available |
| Odor: Solvent | Boiling point/range: Not determined |
| Specific gravity: 1.07 | Melting point/range: Not determined |
| Density: 8.81 lbs/gal | Decomposition temperature: Not determined |
| VOC: 5.5% * | Autoignition temperature: No information available |
| Flash point: >200°F >93.3°C | Partition coefficient (n-octanol/water): No information available |
| Solubility: Soluble | Solubility in other solvents: No information available |
| Viscosity: No information available | Elemental Phosphorus: 0 %P |

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability: The product is stable
Polymerization: Hazardous polymerization does not occur
Hazardous decomposition products: None reasonably foreseeable.
Materials to avoid: Acids.
Conditions to avoid: Do not freeze.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Corrosive

11. TOXICOLOGICAL INFORMATION

Component Information: See Section 3

Chronic toxicity: None known

Specific effects

Carcinogenic effects: None known
 Mutagenic effects: None known
 Reproductive toxicity: None known
 Target organ effects: None known

12. ECOLOGICAL INFORMATION

Environmental Information: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:
 Undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of according to all federal, state and local applicable regulations .

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Korea (ECL).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

STATE RIGHT TO KNOW

| Ingredient(s) | CAS # | MARTK: | NJRTK: | PARTK: | RIRTK: |
|---------------------------------|------------|--------|--------|--------|--------|
| Water | 7732-18-5 | - | - | - | - |
| Sodium hydroxide | 1310-73-2 | X | X | X | X |
| Dipropylene glycol methyl ether | 34590-94-8 | X | X | X | X |
| Sodium gluconate | 527-07-1 | - | - | - | - |
| Alcohol ethoxylates | 34398-01-1 | - | - | - | - |

CERCLA/ SARA

| Ingredient(s) | CAS # | Weight % | CERCLA/SARA RQ (lbs) | Section 302 TPQ (lbs) | Section 313 |
|------------------|-----------|----------|----------------------|-----------------------|-------------|
| Sodium hydroxide | 1310-73-2 | 1 - 5% | 1000 | | |

CAA HAP/CAA ODS/CWA Priority Pollutants: None

SARA 311/312 Hazard Categories

Immediate: y
 Delayed: n
 Fire: n
 Reactivity: n
 Sudden Release of Pressure: n

Canada

WHMIS hazard class: E Corrosive material .



| Ingredient(s) | CAS # | NPRI |
|---------------------------------|------------|------|
| Dipropylene glycol methyl ether | 34590-94-8 | X |

16. OTHER INFORMATION

Reason for revision: Not applicable
 Prepared by: NAPRAC

16. OTHER INFORMATION

Additional advice:

None

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