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MATERIAL SAFETY DATA SHEET



333 Hollenbeck St.
Rochester NY 14621
Information: 716-336-2200

Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

PRODUCT NAME: JIFFY, Spray Cleaner

REVISION DATE: 04/25/2000 REVISION NUMBER: 1
DATE PRINTED: 07/24/2001 PREPARED BY: Walter Friedlander

1. CHEMICAL PRODUCT

MSDS FORM NUMBER: 7029
NFPA/HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 2/2
Fire: 0/0
Reactivity: 1/1
Special/Protective ALK/B
Equipment:

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

PRODUCT COMPOSITION CAS REGISTRATION NO.	APPROX. WEIGHT PERCENT	ACGIH TLV	ACGIH UNIT	OSHA PEL	OSHA UNIT
Diethylene glycol butyl ether 112-34-5	5	NA	NA	NA	NA
SODIUM CARBONATE 497-19-8	5 max.	NA	NA	NA	NA
POTASSIUM HYDROXIDE 1310-58-3	less than 1	2	mg/M3 (ceiling)	2	mg/M3 (ceiling)
Nonyl phenol ethoxylate 9016-45-9	1 max.	NA	NA	NA	NA

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3. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 212F (C) NA
VAPOR PRESSURE: As water
VAPOR DENSITY (AIR=1): As water
Solubility in Water: COMPLETE
SPECIFIC GRAVITY: 1.04 +/- 0.01
VOC Content (%): 95 (approx.)
EVAPORATION RATE: As water
PH: 12.5 - 13.5
Appearance and Odor: Clear yellow-green liquid. Slight glycol ether odor.

4. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (F): None (C): NA

METHOD: None

FLAMMABLE LIMITS IN AIR - LOWER (%): NA

FLAMMABLE LIMITS IN AIR - UPPER (%): NA

EXTINGUISHING MEDIA: As for surrounding fire. Product will not burn.

FIRE FIGHTING PROCEDURES: Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

5. STABILITY AND REACTIVITY

STABILITY DATA: STABLE

POLYMERIZATION: Will Not Occur.

HAZARDOUS DECOMPOSITION: None

INCOMPATIBILITY (MATERIALS TO AVOID): Do not mix with acidic materials. Neutralizes active ingredients. Use on aluminum, tin, or zinc-plated (galvanized) surfaces may cause pitting or surface deterioration. Reacts with water to form hydrogen.

CONDITIONS/HAZARDS TO AVOID: None.

6. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION:

Causes vomiting, nausea, and diarrhea. Severe burns to mucous membranes of mouth, throat and digestive tract.

SKIN CONTACT:

Causes skin burns which may not be immediately painful or visible.

INHALATION:

Inhalation of mist may cause damage to nasal and respiratory passages. Inhalation of spray mists irritating to nose and throat; possible nausea, dizziness.

EYE CONTACT:

Causes severe eye irritation. Causes eye burns. May cause blindness.

CHRONIC EFFECTS:

Dermatitis. Possible respiratory damage from inhalation of dust or mist. Long term overexposure to some glycol ethers by skin absorption or inhalation may cause kidney, liver, or blood effects based on animal testing.

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EFFECTS/CARCINOGENICITY:

None listed under OSHA, IARC, or NTP.

ROUTES OF ENTRY:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

EMERGENCY AND FIRST AID MEASURES:

INGESTION: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Continue rinsing until "slippery" feeling is gone. Get medical attention if irritation or burns develop. **INHALATION:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention. **EYES:** Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

NOTES TO PHYSICIAN: None.

7. HANDLING AND STORAGE

SPILL PROCEDURES:

SMALL SPILLS: Mop up all possible. Rinse down drain.

LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water. Releases of some glycol ethers may be CERCLA reportable.

WASTE DISPOSAL METHODS:

Dispose in accordance with Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Caution: Alkaline liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store only in original container and keep closed. Store in a well ventilated area. Keep from freezing.

OTHER PRECAUTIONS:

Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Read and follow label instructions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS:

Use in a well ventilated area.

RESPIRATORY PROTECTION:

Not normally required. If product is used in a manner which creates dust or mist above recommended exposure limits, a NIOSH/MSHA approved respirator with dust/mist filter may be needed in the absence of proper environmental controls.

PROTECTIVE GLOVES:

Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION:

Safety Glasses. Goggles.

OTHER PERSONAL PROTECTION

Appropriate protective clothing as needed to prevent skin contact. Rubber boots. Eyewash fountains and safety showers must be easily accessible.

EQUIPMENT:

VENTILATION:

General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

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Health and safety information presented on this form is generally applicable at recommended dilutions, varying only in degree. This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

***** END OF MSDS *****