

MATERIAL SAFETY DATA SHEET
Essentially similar to OSHA Form #174

IDENTITY:

GLASS CLEANER - JR309

SECTION 1

MANUFACTURER'S NAME: Sysco Chemical
STREET ADDRESS: 1390 Enclave Parkway

EMERGENCY PHONE NO.:
(713)584-1790

CITY, STATE, ZIP CODE: Houston, TX 77077

DATE PREPARED: 7-15-88

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENTS	* %	* PEL * PPM	* TLV * PPM	* TLV * MG/M3	* CAS Number
Isopropanol	* 5-15	* 400	* 400	*	* 67-63-0
Butyl Cellosolve	* <5	* 50	* 25	*	* 111-76-2
Aqua Ammonia	* 0.10	* 50	* 25	*	* 1336-21-6
Propane	* <5	* 1000	* 1000	*	* 74-98-6
Isobutane	* <5	* 1000	* 1000	*	* 75-28-5
N-Butane	* 5	* 800	* 1000	*	* 106-97-8
	*	*	*	*	*

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Propellant below 0.0 F

SPECIFIC GRAVITY: 0.971

VAPOR PRESSURE (mm Hg.): U/K

MELTING POINT: NA

VAPOR DENSITY (AIR = 1): Heavier than air
EVAPORATION RATE: Propellants
faster than ether

SOLUBILITY IN WATER: NA

APPEARANCE AND ODOR: Foam

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): (T.O.C.) Propellant <20 F

FLAMMABLE LIMITS: NA

LEL: NA

UEL: NA

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical or foam

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective. Water may be used to keep fire exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not spray near open flame. Keep at room temperature as exposure to direct sunlight or other heat may cause bursting.

SECTION 5 - REACTIVITY DATA

STABILITY: Stable: X Unstable:

CONDITIONS TO AVOID: Heat above 120 F

INCOMPATIBILITY (materials to avoid): None

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CO, CO2

HAZARDOUS POLYMERIZATION: May Occur: Will Not Occur: X

CONDITIONS TO AVOID: NA
-----SECTION 6 - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? yes SKIN? yes INGESTION? yes

HEALTH HAZARDS (acute & chronic): Reports have associated repeated and prolonged over-exposure to solvents with permanent brain and nervous system damage, also kidney and liver damage.

CARCINOGENICITY: NTP? NA
 IARC MONOGRAPHS? NA
 OSHA REGULATED? NA

SIGNS & SYMPTOMS OF EXPOSURE: In a confined area, vapors in high concentration are anesthetic. Irritant to skin and upper respiratory system. Over-exposure may result in light-headedness, staggering gait, giddiness, & possible nausea. Harmful if swallowed.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Aqua Ammonia in this product contains vapors & mists that are extremely corrosive to the nose, throat, and mucous membranes. Bronchitis, pulmonary edema, and chemical pneumonitis may occur. Irritation, coughing, chest pain, & difficulty in breathing may occur with brief exposure while prolonged exposure may result in more severe irritation & tissue damage.EMERGENCY AND FIRST AID PROCEDURES: Breathing-Remove patient to fresh air. Eyes-flush with water for at least 15 minutes. Skin-wash with soap & water.
Swallowing-Call physician immediately. DO NOT induce vomiting.
-----SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition, ventilate, avoid breathing vapors and remove with inert absorbent.

WASTE DISPOSAL METHOD: Do not incinerate. Dispose in accordance with Federal, State, and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: Do not store below 120 F.

OTHER PRECAUTIONS: Aerosol material under pressure at 45 PSI. Observe precautions and warnings on label.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION (specify type): Avoid breathing of vapor or spray mist.

VENTILATION:

LOCAL EXHAUST: X

MECHANICAL:

SPECIAL:

OTHER:

PROTECTIVE GLOVES: Recommended for prolonged or repeated contact.

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK/HYGIENIC PRACTICES: None

SECTION 9 - SPECIAL PRECAUTIONS

The above information is believed to be correct with respect to the ingredients contained herein falling within the definition of hazardous chemicals in accordance with the Occupational Safety and Health Administration's Hazard Standard Communications Act. Data, standards and regulations change, and since conditions of use and handling are beyond our control, no warranty, express or implied, is made as to the completeness or upcoming accuracy of this information.

Pursuant to Proposition 65: Certain raw materials used in making this product may contain small amounts of materials as impurities which are regulated by Proposition 65, in the state of California.