

HMIS RATING	
Health	3
Flammability	4
Reactivity	0

MATERIAL SAFETY DATA SHEET

NFPA 704 RATING	
Health	2
Flammability	4
Reactivity	0
NFPA 30B LEVEL	
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Kimball-Midwest
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Corporate & Emergency Telephone (614-228-6701)

1. PRODUCT IDENTIFICATION

PART NUMBER80-703
PRODUCT NAMEECLIPSE Glass Cleaner
CHEMICAL FAMILYN/A
DOT SHIPPINGConsumer Commodity ORM-D

2. HAZARDOUS INGREDIENTS

Specific chemical identity, common names	OSHA PEL	ACGIH TLV	STEL	%
*2-Butoxyethanol (111-76-2)	25 skin	25 skin	-	1-10
Isobutane (75-28-50)	-	800	-	1-10
Water	-	-	-	80-90
Proprietary Items	-	-	-	3

All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture of trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

3. PHYSICAL DATA

BOILING POINT (RANGE) -11.7°F to 212°F
VAPOR PRESSURE PSIG @ 70°F 45
VAPOR DENSITY (Air = 1) 4.0
SOLUBILITY IN WATER Soluble
SPECIFIC GRAVITY (H₂O = 1) 0.9
MELTING/FREEZING POINT N/A
pH 10.5-11.0
EVAPORATION RATE (Butyl Acetate = 1) <1
APPEARANCE AND ODOR White / ammonia

4. FIRE AND EXPLOSION DATA

FLASH POINT 160°F TCC
UPPER EXPLOSIVE LIMIT (%) 8.5
LOWER EXPLOSIVE LIMIT (%) 1.9
EXTINGUISHING MEDIA Water Fog, Dry Chemical, CO₂
SPECIAL FIREFIGHTING PROCEDURES Firefighters should wear NIOSH approved positive pressure self-contained breathing apparatus.
FIRE AND EXPLOSION HAZARDS Heated cans may burst.
NFPA FLAMMABILITY HAZARD 4

5. HEALTH EFFECTS DATA

SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY Skin, Ingestion, Inhalation

HEALTH HAZARDS

(Acute & Chronic) May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) to high concentrations of vapor may cause lung, liver or kidney damage. Aspiration hazard if swallowed. Eye and skin irritant. May irritate respiratory tract. The solvents listed have been reported to affect the central nervous system:
2-Butoxyethanol may cause corneal injury and blood abnormalities, may be absorbed through the skin with toxic effects, and may cause damage to spleen and testes.

SIGNS AND SYMPTOMS

OF EXPOSURE Inhalation: Difficulty in breathing. Skin: Redness
Ingestion: Vomiting.

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE Heart disease; respiratory disorders

5. HEALTH EFFECTS DATA (Continued)

FIRST AID PROCEDURES

EYES Flush with water for at least 15 minutes.
SKIN CONTACT Wash with soap and water.
INHALATION Remove to fresh air. Give oxygen. If symptoms persist, obtain medical attention.
INGESTION Do not induce vomiting. Keep individual calm. Obtain medical attention.

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines) This product contains a chemical known to the state of California to cause cancer.

6. REACTIVITY

STABILITY Stable
INCOMPATIBILITIES High Temperatures, strong oxidizers and acids, metallic mercury, zinc, hypochlorides, brass, alkalies, silver, copper, alkali metals, iron

NFPA REACTIVITY HAZARD 0

HAZARDOUS DECOMPOSITION PRODUCTS In fire will decompose to CO₂, water, ammonia

HAZARDOUS POLYMERIZATION Will not occur.

HAZARDOUS POLYMERIZATION CONDITIONS None known.

7. PRECAUTIONS FOR SAFE HANDLING AND USE

PROTECTIVE EQUIPMENT

REQUIREMENTS Safety glasses or goggles. Protective gloves (none required if spraying). Ventilation sufficient to maintain vapor concentrations below TLV.

WASH REQUIREMENTS Wash with soap and water.

SPILL OR LEAK PROCEDURES Use absorbent sweeping compound to soak up material. Put into container. Dispose of as hazardous waste.

WASTE DISPOSAL METHODS Dispose as hazardous waste in accordance with EPA RCRA.

HANDLING & STORAGE Keep away from heat, sparks, or open flame. Store at temperatures below 120°F.

OTHER PRECAUTIONS When spraying more than one half can continuously, or more than one can consecutively, use NIOSH approved respirator.

8. ADDITIONAL INFORMATION

Use self contained breathing apparatus if TLV limits are exceeded. Do not smoke while using. Wash hands after use.

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND ARE NOT COMBINED WITH OTHER PRODUCT(S). SUCH ARE BASED ON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND ARE BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATION CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.

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