

MATERIAL SAFETY DATA SHEET



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SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME(S):	SRP FOAMING GLASS CLEANER FOAMING GLASS CLEANER	Shat-R-Proof I.D. NUMBER:	1802
CHEMICAL NAME:	HYDROCARBON MIXTURE	PRODUCT USE:	CLEANS AND POLISHES TRANSPARENT SURFACES (WINDOWS, MIRRORS, WINDSHIELDS)

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	% BY WEIGHT	CAS #	EXPOSURE LIMITS	LD50 (SPECIES & ROUTE)	LC50 (SPECIES)
ETHYLENE GLYCOL MONOBUTYL ETHER**	1 - 5	111-76-2	25 PPM (1) 50 PPM (2)	470 MG/KG (ORAL, RAT)	450 PPM (RAT)
ETHANOL	1 - 5	64-17-5	1000 PPM (1,2)	7060 MG/KG (ORAL, RAT)	39 G/M ³ (MOUSE)
PROPANE	1 - 5	74-98-6	1000 PPM (1)	NE	NE
BUTANE	1 - 5	106-97-8	600 PPM (1)	NE	NE

NOTES: (1) ACGIH TLV (TWA) (2) - OSHA PEL (TWA) (3) - ACGIH STEL (4) - OSHA STEL (5) - MFR/SUPPLIER TLV
LD 50 VALUES ARE VIA ORAL ROUTE UNLESS OTHERWISE INDICATED
** TOXIC CHEMICAL REPORTABLE PER SECTION 313, TITLE III SARA AND 40 CFR372

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE: LIQUID (AEROSOL CONCENTRATE)	APPEARANCE: CLOUDY-WHITE	ODOR: CHARACTERISTIC
VAPOR PRESSURE (mm Hg): NE	% VOLATILE: NE	VAPOR DENSITY (AIR = 1): NE
EVAPORATION RATE (BuAc = 1): NE	BOILING POINT (°C): > 78.3 (ETHANOL)	FREEZING POINT (°C): NE
pH: 10.86 - 11.00 (1% IN WATER)	DENSITY (g/mL): 0.975 - 1.00	SOLUBILITY IN WATER: READILY SOLUBLE

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	IF YES, UNDER WHICH CONDITIONS: NONFLAMMABLE AEROSOL; HOWEVER, CONTAINER MAY EXPLODE IF HEATED.
EXTINGUISHING MEDIA: CONTAINING VESSELS MAY BE COOLED WITH WATER SPRAY TO PREVENT PRESSURE BUILDUP OR EXPLOSION.	
SPECIAL FIRE FIGHTING PROCEDURES:	
FLASH POINT (PMCC) °F: NA	UPPER FLAMMABILITY LIMIT: (% BY VOLUME) NA
AUTOIGNITION TEMPERATURE (deg C): NA	HAZARDOUS COMBUSTION PRODUCTS: CO, CO ₂ , OTHER IRRITATING GASES
EXPLOSION DATA	SENSITIVITY TO IMPACT: DO NOT SUBJECT AEROSOL CANS TO IMPACT
	SENSITIVITY TO STATIC DISCHARGE: NA

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF NO, UNDER WHICH CONDITIONS:
INCOMPATIBILITY WITH OTHER SUBSTANCES: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF SO, WHICH ONES? AVOID CONTACT WITH STRONG OXIDIZING AGENTS, STRONG ACIDS AND STRONG ALKALIES.
REACTIVITY, AND UNDER WHICH CONDITIONS?	THIS PRODUCT IS NOT TYPICALLY REACTIVE.
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO ₂ , OTHER IRRITATING GASES

PRODUCT NAME(S): SRP FOAMING GLASS CLEANER

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN CONTACT SKIN ABSORPTION EYE CONTACT INHALATION INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: EYE CONTACT MAY CAUSE IRRITATION, REDNESS, TEARING, AND PAIN. SKIN CONTACT MAY CAUSE MILD IRRITATION. DIRECT INHALATION OF SPRAY MISTS MAY CAUSE NASAL AND RESPIRATORY IRRITATION. EXCESSIVE INHALATION OF THE VAPORS MAY CAUSE DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, AND HEADACHES. INGESTION MAY CAUSE GASTROINTESTINAL DISTRESS. NAUSEA, VOMITING, AND DIARRHEA CAN BE FATAL IF INHALED OR INGESTED.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: PROLONGED OR REPEATED SKIN CONTACT MAY LEAD TO DERMATITIS.

EXPOSURE LIMITS: SEE SECTION 2	IRRITANCY OF PRODUCT: MILD TO MODERATE: SKIN, EYES RESPIRATORY SYSTEM	SENSITIZATION TO PRODUCT: NE	CARCINOGENICITY: NO
TERATOGENICITY: NE	REPRODUCTIVE TOXICITY: NE	MUTAGENICITY: NE	SYNERGISTIC PRODUCTS: NE

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

CLOTHING (SPECIFY): NA	RESPIRATORY (SPECIFY): NA
EYE (SPECIFY): SAFETY GLASSES	OTHER (SPECIFY): IT IS RECOMMENDED THAT INDIVIDUALS WITH SENSITIVE SKIN WEAR GLOVES.

ENGINEERING CONTROLS (SPECIFY):
USE WITH ADEQUATE VENTILATION.

LEAK/SPILL PROCEDURE:
ABSORB WITH AN INERT DRY MATERIAL AND PLACE IN AN APPROPRIATE WASTE CONTAINER.

WASTE DISPOSAL:
RECYCLE TO PROCESS, IF POSSIBLE. CONSULT YOUR LOCAL, STATE, OR REGIONAL AUTHORITIES. DO NOT DISPOSE IN SEWERS. WHEN CONTAINER IS EMPTY, PRESS BUTTON TO RELEASE ALL PRESSURE, THEN DISPOSE OF IN GARBAGE CAN.

HANDLING PROCEDURES/EQUIPMENT AND STORAGE REQUIREMENTS:
CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED. KEEP OUT OF REACH OF CHILDREN. AVOID BREATHING SPRAY MISTS. AVOID SKIN AND EYE CONTACT. AFTER HANDLING, WASH HANDS WITH SOAP AND WATER. STORE PRODUCT IN A COOL, DRY PLACE. KEEP AWAY FROM HEAT SOURCES. DO NOT PUNCTURE OR INCINERATE, OR STORE AT >50°C OR IN DIRECT SUNLIGHT.

SPECIAL SHIPPING INFORMATION:

KEEP FROM FREEZING. TDG, DOT: Class 2.1, UN1950, Limited Quantity (formerly CONSUMER COMMODITY)
IMDG: Class 2.1, UN1950 (maximum 1 liter), FP-17C, Limited Quantity

SECTION 8 - FIRST AID MEASURES

SYMPTOMS / EFFECTS OF OVEREXPOSURE:
SEE SECTION 6.

EYES:
FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES, OCCASIONALLY LIFTING UPPER AND LOWER EYELIDS. CALL A DOCTOR.

SKIN:
WASH WITH SOAP AND WATER. CALL A DOCTOR IF IRRITATION DEVELOPS.

INHALATION:
REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING STOPS GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION.

INGESTION:
DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. HAVE CONSCIOUS PERSON DRINK 1 TO 2 GLASSES OF WATER OR MILK. GET MEDICAL ATTENTION.

SECTION 9 - MSDS PREPARATION INFORMATION

THIS MATERIAL SAFETY DATA SHEET IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTENT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

PREPARED BY: Shat-R-Proof Corp. CHEMISTRY DEPARTMENT

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