

# MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION # : 314-647-1888  
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## I-PRODUCT IDENTIFICATION

### RIGID

PRODUCT CODE: #195

CHEMICAL FORMULATION: SPRAY ADHESIVE

NFPA HAZARD IDENTIFICATION SYSTEM:

HEALTH: 2

FLAMMABILITY: 4

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

## II - HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity; Common Name (s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Weight %
DICHLOROMETHANE*	75-09-2	500 ppm	50 ppm	25-35
N-HEXANE (1)	110-54-3	500 ppm	50 ppm	
PROPANE	74-98-6	1000 ppm	1000 ppm	
ISOBUTANE	72-28-5	N/E	800 ppm	

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit

N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III/ List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III/ List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

\*313: SARA 313 Information: Subject to the reporting and supplier notification SARA 313. RQ #1 1000 lbs.

## III - PHYSICAL DATA

BOILING POINT (C/F): N/A	MELTING POINT: N/A
VAPOR PRESSURE (mm Hg.)Psig 80 psig	SPECIFIC GRAVITY (H <sub>2</sub> O=1)(@25C): 768
VAPOR DENSITY (AIR = 1): >1	VOC CONTENT (% by weight): N/A
SOLUBILITY IN WATER: INSOLUBLE	EVAPORATION RATE (Butyl Acetate =1): <1 Ph (@25C): N/A
APPEARANCE AND ODOR: LIGHT AMBER - SWEET ETHERAL ODOR	

## IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (F/(C): N/A

(TEST METHOD):

FLAMMABLE LIMITS: N/E

UPPER: N/E

LOWER: N/E

EXTINGUISHING MEDIA: CO<sub>2</sub>, STANDARD FOAM, DRY CHEMICAL, HALON

SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF CONTAINED BREATHING APPARATUS

UNUSUAL FIRE AND EXPLOSION HAZARD: EXPOSURE TO TEMPERATURES OVER 120°F MAY CAUSE BURSTING OR VENTING. HEAT OR FIRE MAY CAUSE HAZARDOUS FUMES: CARBON MONOXIDE, PHOSGENE, CHLORINE AND HYDROGEN CHLORIDE.

## V - REACTIVITY DATA

STABILITY: STABLE  
INCOMPATIBILITY: OXIDIZING MATERIALS

MATERIALS TO AVOID: POSSIBLY SODIUM, POTASSIUM AND MAGNESIUM

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: OPEN FLAMES CAN CAUSE THERMAL DEGRADATION WITH THE EVOLUTION OF HYDROGEN CHLORIDE, PHOSGENE & CHLORINE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID: SOURCES OF HEAT

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PRODUCT NAME: BATH BRITE

PRODUCT CODE: 021B, 21C

## VI - HEALTH AND HAZARD DATA

ROUTES OF ENTRY: INHALATION? YES SKIN? YES INGESTION? YES EYES? YES

HEALTH HAZARDS (ACUTE & CHRONIC):

CARCINOGENICITY? NA NTP? N/A IARC MONOGRAPHS? N/A OSHA REGULATED? NO

**CARCINOGENICITY:** NIP, IARC: OVEREXPOSURE TO DICHLOROMETHANE CAN RAISE THE LEVEL OF CARBON MONOXIDE IN THE BLOOD CAUSING CARDIOVASCULAR STRESS. DICHLOROMETHANE IS LISTED AS A POTENTIAL CARCINOGEN (2B) BY IARC. RESULTS OF LABORATORY ANIMAL TESTS SHOW THAT METHYLENE CHLORIDE PRODUCED: BENIGN TUMORS IN RATS EXPOSED TO 500 PPM; CANCER IN RATS AND MICE EXPOSED TO 1500 PPM AND HIGHER, BUT NOT IN HAMSTERS. IT INCREASED THE RATE OF SPONTANEOUSLY OCCURRING MALIGNANT TUMORS IN THE B6C3F1 MOUSE. EPIDEMIOLOGY STUDIES FAILED TO SHOW A TUMORIGENIC RESPONSE IN PLANT WORKERS. METHYLENE CHLORIDE IS NOT BELIEVED TO POSE A MEASURABLE CANCER RISK TO MAN WHEN HANDLED AS A LOW DEGREE OF MATERNAL AND EMBRYOTOXICITY AT 4500 PPM, NO TERATOLOGICAL EFFECTS AND NO EFFECTS ON REPRODUCTION AT CONCENTRATIONS OF 4500 AND 1225 PPM.

**CHRONIC EFFECTS OF OVERDOSE:** UNKNOWN  
OVEREXPOSURE TO METHYLENE CHLORIDE HAS APPARENT BEEN FOUND TO CAUSE THE FOLLOWING EFFECT IN LABORATORY ANIMALS:  
LIVER ABNORMALITIES, LUNG DAMAGE

### EFFECTS OF OVEREXPOSURE

**IF IN EYES:** MODERATE TO SEVERE IRRITATION

**IF ON SKIN:** IRRITATION DUE TO DEFATTING OF TISSUE

**IF SWALLOWED:** NAUSEA, HEADACHE, VOMITING

**IF INHALED:** NAUSEA, DIZZINESS, COORDINATION IMPAIRMENT ON LONG EXPOSURE

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** SKIN SENSITIVITY, CHEMICAL ALLERGIES

### EMERGENCY AND FIRST AID PROCEDURES

**IF IN EYES:** FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES AND SEEK MEDICAL ATTENTION

**IF ON SKIN:** WASH WITH SOAP AND WATER, REMOVE CONTAMINATED CLOTHING

**IF SWALLOWED:** DO NOT INDUCE VOMITING, SEEK MEDICAL ATTENTION IMMEDIATELY

**IF INHALED:** REMOVE TO FRESH AIR, GIVE OXYGEN IF BREATHING IS DIFFICULT, SEEK MEDICAL ATTENTION

## VII - SPILL AND LEAK PROTECTION

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** MOP UP/SOAK UP IMMEDIATELY. REMOVE TO OUT OF DOORS. **LARGE SPILLS:** EVACUATE AREA. CONTAIN LIQUID; TRANSFER TO CLOSED METAL CONTAINERS. KEEP OUT OF WATER SUPPLY.

**WASTE DISPOSAL METHOD:** DISPOSE OF IN A MANNER APPROVED BY LOCAL, STATE, AND FEDERAL REGULATIONS AS WELL AS EPA STANDARDS

## VIII - SPECIAL PROTECTION INFORMATION

**VENTILATION:**

**Local Exhaust:**

**Mechanical:**

**Special:**

**Other:** GENERAL VENTILATION RECOMMENDED TO MAINTAIN THE LEVEL OF THE HAZARDOUS INGREDIENTS TO LESS THAN HALF OF THE TLV.

**RESPIRATORY PROTECTION:** NONE REQUIRED

**SKIN PROTECTION:** RUBBER GLOVES. FOR SHORT USAGE NONE REQUIRED.

**EYE PROTECTION:** SAFETY GOGGLES. FOR SHORT USAGE NONE REQUIRED.

**OTHER PROTECTIVE EQUIPMENT:** NONE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** KEEP OUT OF WATER SUPPLY.  
STORE AT TEMPERATURES BELOW 120°F.

**OTHER PRECAUTIONS:** DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN

**WORK/HYGIENIC PRACTICES :** N/A

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