



MATERIAL SAFETY DATA SHEET

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216-292-7400

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THE SPECIALTY DIVISION
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THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200 REQUIRES THAT THE INFORMATION CONTAINED ON THIS SHEET BE MADE AVAILABLE TO YOUR WORKERS.

Borden

INSTRUCT YOUR WORKERS TO HANDLE THIS PRODUCT PROPERLY

DESCRIPTION: **KRYLON ALL-PURPOSE SILICONE SPRAY**
PRODUCT TYPE: **"AEROSOL" SILICONE SPRAY**
APPLICATION: **ITEM NO: 1325, 1360**

11-JAN-90

SIGNAL WORD DANGER!

THIS MATERIAL IS A "HEALTH HAZARD" AND/OR A "PHYSICAL HAZARD" AS DETERMINED WHEN REVIEWED ACCORDING TO THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION 29 CFR PART 1910.1200 "HAZARD COMMUNICATION" STANDARD.

CHEMICAL HAZARD RATING

HEALTH=2(MODERATE)
FIRE=4(EXTREME)
REACTIVITY=0(LEAST)
CHRONIC=*
29CFR1910.1200 HAZARDOUS INGREDIENTS/REPORTED HEALTH EFFECTS

CAS/REGISTRY NO. MATERIAL DESCRIPTION % RANGE

THE INGREDIENTS LISTED BELOW HAVE BEEN ASSOCIATED WITH ONE OR MORE OF THE LISTED IMMEDIATE AND/OR DELAYED (*) HEALTH HAZARDS. RISK OF DAMAGE AND EFFECTS DEPENDS UPON DURATION AND LEVEL OF EXPOSURE. BEFORE USING OR HANDLING, READ AND UNDERSTAND THE MSDS.

74-98-6 PROPANE 10-30

THIS MATERIAL IS A SIMPLE ASPHYXIANT. SIGNS AND SYMPTOMS OF OVEREXPOSURE INCLUDE CYANOSIS, RESPIRATORY DISTRESS, HEADACHE, DIZZINESS, DROWSINESS, UNCONSCIOUSNESS AND ASPHYXIATION. CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION.

— SEE FOOTNOTE C.
ACGIH TLV: SIMPLE ASPHYXIANT - SEE ACGIH TLVS, INTRODUCTION
OSHA PEL: 1000 PPM (1800 MG/M3) TWA

75-28-5 ISOBUTANE 10-30

— SEE FOOTNOTE C.
ACGIH TLV: NONE ESTABLISHED
OSHA PEL: NONE ESTABLISHED

108-87-2 *METHYLCYCLOHEXANE 5-10

NOTE REVISED OSHA PEL

CAN CAUSE LIVER DAMAGE.
CAN CAUSE KIDNEY DAMAGE.
CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. SIGNS AND SYMPTOMS MAY INCLUDE HEADACHE, DIZZINESS, NAUSEA, VOMITING, AND DROWSINESS.

— SEE FOOTNOTE C.
ACGIH TLV: 400 PPM (1600 MG/M3) TWA
OSHA PEL: 400 PPM (1600 MG/M3) TWA

108-88-3 *TOLUENE 5-10

NOTE REVISED OSHA PEL

CAN CAUSE LIVER DAMAGE.
CAN CAUSE KIDNEY DAMAGE.
CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. SIGNS AND SYMPTOMS MAY INCLUDE HEADACHE, DIZZINESS, NAUSEA, VOMITING, UNCONSCIOUSNESS AND ASPHYXIATION.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY LEAD TO ADDICTION AND MAY BE HARMFUL OR FATAL.

— SEE FOOTNOTE C.
ACGIH TLV: 100 PPM (375 MG/M3) TWA; 150 PPM (560 MG/M3) STEL
OSHA PEL: 100 PPM (375 MG/M3) TWA; 150 PPM (560 MG/M3) STEL
NIOSH DOCUMENT NUMBER: 73-11023

110-54-3 *HEXANE 10-30

NOTE REVISED OSHA PEL

CHRONIC EXPOSURES MAY CAUSE PERIPHERAL NEUROPATHY. CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. SIGNS AND SYMPTOMS MAY INCLUDE HEADACHE, DIZZINESS, NAUSEA, VOMITING, AND DROWSINESS.

— SEE FOOTNOTE C.
ACGIH TLV: 50 PPM (180 MG/M3) TWA
OSHA PEL: 50 PPM (180 MG/M3) TWA
NIOSH DOCUMENT NUMBER: 77-151

110-82-7 *CYCLOHEXANE 1-5

MAY CAUSE LUNG DAMAGE BASED ON ANIMAL DATA. PRE-EXISTING RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE. MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA. MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA. CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. SIGNS AND SYMPTOMS MAY INCLUDE HEADACHE, DIZZINESS, NAUSEA, VOMITING, UNCONSCIOUSNESS AND EVEN ASPHYXIATION.

— SEE FOOTNOTE C.
ACGIH TLV: 300 PPM (1050 MG/M3) TWA
OSHA PEL: 300 PPM (1050 MG/M3) TWA

142-82-5 HEPTANE 10-30

NOTE REVISED OSHA PEL

CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. SIGNS AND SYMPTOMS MAY INCLUDE HEADACHE, DIZZINESS, NAUSEA, VOMITING, UNCONSCIOUSNESS AND EVEN ASPHYXIATION.

— SEE FOOTNOTE C.
ACGIH TLV: 400 PPM (1600 MG/M3) TWA; 500 PPM (2000 MG/M3) STEL
OSHA PEL: 400 PPM (1600 MG/M3) TWA; 500 PPM (2000 MG/M3) STEL
NIOSH DOCUMENT NUMBER: 77-151

64742-89-8 LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM) 30-50

CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. SIGNS AND SYMPTOMS MAY INCLUDE HEADACHE, DIZZINESS, NAUSEA, VOMITING, UNCONSCIOUSNESS AND EVEN ASPHYXIATION.

— SEE FOOTNOTE C.
ACGIH TLV: NONE ESTABLISHED
OSHA PEL: NONE ESTABLISHED

***HEXANE ISOMERS** 10-30

NOTE REVISED OSHA PEL

CHRONIC EXPOSURES MAY CAUSE PERIPHERAL NEUROPATHY. CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. SIGNS AND SYMPTOMS MAY INCLUDE HEADACHE, DIZZINESS, NAUSEA, VOMITING, AND DROWSINESS.

— SEE FOOTNOTE C.
ACGIH TLV: 500PPM (1800MG/M3) TWA; 1000PPM (3600MG/M3) CEILING
OSHA PEL: 500PPM (1800MG/M3) TWA; 1000PPM (3600MG/M3) CEILING

FOOTNOTE C: AS OF THE DATE OF ISSUANCE OF THIS DOCUMENT, THIS MATERIAL HAS NOT BEEN LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

PHYSICAL DATA

APPEARANCE AND PHYSICAL STATE LIQUID & LIQUIFIED GAS
AUTOIGNITION TEMPERATURE, DEG F NOT AVAILABLE
BOILING POINT, DEG F @ 760 MM HG > -48 (PROPELLANT)
EVAPORATION RATE (BUTYL ACETATE=1) > 1
FHSA: 16CFR1500.3(C) (6) EXTREMELY FLAMMABLE
FLASH POINT, LIQUID, DEG F > -4
FLASH POINT, PROPELLANT, DEG F < -99 (ESTIMATED)
FREEZING POINT, DEG F @ 760 MM HG < 32
ODOR HYDROCARBON SOLVENT
ODOR THRESHOLD, PPM NOT AVAILABLE
PERCENT VOLATILE BY WEIGHT 92-94
PH @ 68 DEG F ESSENTIALLY NEUTRAL
PRESSURE IN CONTAINER, PSIG @ 70 F APPROXIMATELY 50
SOLUBILITY IN WATER @ 68 DEG F SLIGHT
SPECIFIC GRAVITY 0.65 + - 0.02
UP, LOW FLAMMABLE LIMITS, % BY VOL % 9.5/1.2 (PROPELLANT)
VAPOR DENSITY (AIR =1) @ 68 DEG F > 1
VAPOR PRESSURE, MM HG @ 68 DEG F SEE CAN PRESSURE
COEFFICIENT OF WATER/OIL DISTRIB. NOT APPLICABLE

SEE REVERSE SIDE

IMMEDIATE HEALTH HAZARD DATA

SKIN ABSORPTION: NOT EXPECTED TO BE HARMFUL UNDER NORMAL CONDITIONS OF USE.
 INGESTION: NOT EXPECTED TO BE HARMFUL UNDER NORMAL CONDITIONS OF USE.
 IF ACCIDENTLY SWALLOWED, BURNS OR IRRITATION TO MUCOUS MEMBRANES, ESOPHAGUS OR GI TRACT CAN RESULT.
 CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION.
 INHALATION: MAY BE HARMFUL IF INHALED. LIQUID OR VAPOR MAY CAUSE IRRITATION OF NOSE, THROAT AND LUNGS.
 SKIN: CAUSES IRRITATION.
 EYES: CAUSES IRRITATION.

HANDLING PRECAUTIONS

SKIN ABSORPTION: AVOID PROLONGED OR REPEATED CONTACT WITH EYES, SKIN OR CLOTHING.
 INHALATION: **USE WITH ADEQUATE VENTILATION.** TO AVOID BREATHING VAPORS OR SPRAY MIST, OPEN WINDOWS AND DOORS OR USE OTHER MEANS, SUCH AS AN EXHAUST FAN TO ENSURE FRESH AIR ENTRY DURING APPLICATION AND DRYING.
 IF YOU EXPERIENCE EYE WATERING, HEADACHE OR DIZZINESS, INCREASE FRESH AIR, WEAR RESPIRATORY PROTECTION (NIOSH/MSHA TC23C OR EQUIVALENT), OR LEAVE THE AREA.
 SKIN: AVOID CONTACT WITH SKIN.
 EYES: AVOID CONTACT WITH EYES.
 HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND REMOVAL OF THE MATERIAL FROM EYES, SKIN AND CLOTHING.
 WASH THOROUGHLY AFTER HANDLING.

EMERGENCY AND FIRST AID PROCEDURES

SKIN ABSORPTION: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.
 INGESTION: IF ACCIDENTLY SWALLOWED, DILUTE BY DRINKING LARGE QUANTITIES OF WATER. IMMEDIATELY CONTACT POISON CONTROL CENTER OR HOSPITAL EMERGENCY ROOM FOR ANY OTHER ADDITIONAL TREATMENT DIRECTIONS.
 INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. CALL A PHYSICIAN.
 SKIN CONTACT: FLUSH SKIN WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. CALL A PHYSICIAN IF IRRITATION PERSISTS.
 EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. EYELIDS SHOULD BE HELD APART DURING IRRIGATION TO INSURE WATER CONTACT WITH ENTIRE SURFACE OF EYES AND LIDS. CALL A PHYSICIAN.

FIRE AND EXPLOSION HAZARD DATA

EXTREMELY FLAMMABLE.
DO NOT INCINERATE (BURN) CONTAINER. AVOID HEAT.
KEEP CONTAINER BELOW 120 F (50 C). HIGH TEMPERATURES MAY CAUSE BURSTING. DO NOT PLACE CONTAINER ON RADIATOR, STOVE, IN DIRECT SUNLIGHT OR NEAR OTHER HEAT SOURCES. **DO NOT PUNCTURE CONTAINER.** CONTENTS UNDER PRESSURE WILL DISCHARGE. **AVOID OPEN FLAMES, SPARKS, PILOT LIGHTS. DO NOT SMOKE.** VAPOR MAY IGNITE EXPLOSIVELY. SPRAY MIST OR VAPOR EVAPORATING FROM A DEPOSITED FILM IS HEAVIER THAN AIR AND MAY SETTLE IN LOW PLACES OR TRAVEL OUTWARD TO A SOURCE OF IGNITION AND FLASHBACK.
 IN CASE OF FIRE, USE DRY CHEMICAL, FOAM OR CO2. WATER MAY BE INEFFECTIVE, BUT SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL.

REACTIVITY DATA

NORMALLY STABLE AS DEFINED IN NFPA 704-12(4-3.1).
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

INCOMPATIBILITIES: OXIDIZERS, ACIDS OR BASES.
 OTHER HAZARDS: NONE KNOWN TO BORDEN.
 DECOMPOSITION PRODUCTS MAY INCLUDE: OXIDES OF CARBON.

CONTROL MEASURES

IF AIRBORNE CONTAMINANTS ARE GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, SUFFICIENT VENTILATION IN VOLUME AND AIR FLOW PATTERNS SHOULD BE PROVIDED TO KEEP AIR CONTAMINANT CONCENTRATION LEVELS BELOW ACCEPTABLE CRITERIA.
 ENGINEERING CONTROLS: THE FOLLOWING EXPOSURE CONTROL TECHNIQUES MAY BE USED TO EFFECTIVELY MINIMIZE EMPLOYEE EXPOSURE: LOCAL EXHAUST VENTILATION, ENCLOSED SYSTEM DESIGN, PROCESS ISOLATION AND REMOTE CONTROL IN COMBINATION WITH APPROPRIATE USE OF PERSONAL PROTECTIVE EQUIPMENT AND PRUDENT WORK PRACTICES. THESE TECHNIQUES MAY NOT NECESSARILY ADDRESS ALL ISSUES PERTAINING TO YOUR OPERATIONS. WE, THEREFORE, RECOMMEND THAT YOU CONSULT WITH EXPERTS OF YOUR CHOICE TO DETERMINE WHETHER OR NOT YOUR PROGRAMS ARE ADEQUATE.

PERSONAL PROTECTION INFORMATION

WHERE AIR CONTAMINANTS CAN EXCEED ACCEPTABLE CRITERIA, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANTS IN AIR IN ACCORDANCE WITH OSHA 29 CFR 1910.134 OR OTHER APPLICABLE STANDARDS OR GUIDELINES.
 USE GOGGLES IF CONTACT IS LIKELY.
 WEAR IMPERVIOUS GLOVES AS REQUIRED TO PREVENT SKIN CONTACT.

SPILL OR LEAK PROCEDURES

ELIMINATE ALL IGNITION SOURCES.
 SOAK UP WITH ABSORBENT MATERIAL AND REMOVE TO A CHEMICAL DISPOSAL AREA.
 PREVENT ENTRY INTO NATURAL BODIES OF WATER.

WASTE DISPOSAL

DISPOSE OF ACCORDING TO LOCAL, STATE, PROVINCIAL, AND FEDERAL REQUIREMENTS.
 EMPTY CONTAINER: MAY CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR NEARBY.
 INCINERATION WILL CAUSE CONTAINER TO BURST VIOLENTLY.

STORAGE PRECAUTIONS

DO NOT STORE AT TEMPERATURES ABOVE 120 F.

DOT CLASSIFICATION

ORM-D CONSUMER COMMODITY.

**SARA TITLE III SECTION 313 AND 40 CFR PART 372
 TOXIC CHEMICAL NOTIFICATION SHEET
 KRYLON ALL-PURPOSE SILICONE SPRAY**

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986, AND SUBPART C-SUPPLIER NOTIFICATION REQUIREMENT OF 40 CFR PART 372.

CAS REGISTRY NUMBER	CHEMICAL NAME	PCT. BY WEIGHT
108-88-3	TOLUENE	8.05
110-82-7	CYCLOHEXANE	1.90

THIS TOXIC CHEMICAL NOTIFICATION SHEET MUST NOT BE DETACHED FROM THE MATERIAL SAFETY DATA SHEET (MSDS). ANY COPYING AND REDISTRIBUTION OF THE MSDS SHALL INCLUDE COPYING AND REDISTRIBUTION OF THIS NOTIFICATION SHEET ATTACHED TO COPIES OF THE MSDS SUBSEQUENTLY REDISTRIBUTED.