



# MATERIAL SAFETY DATA SHEET

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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.**

**INSTRUCT YOUR WORKERS TO HANDLE THIS PRODUCT PROPERLY**

NAME: **KRYLON UPSIDE DOWN SPRAY PAINT (AEROSOL)**  
TYPE: **MARKING PAINT**  
APPLICATION: **ITEMS NO.: 7101 TO 7107; 7110 TO 7112**

30-Jun-86

### 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 % BY WT.

**67-56-1 METHANOL 0-3.7**

\*POSSIBLE REPRODUCTIVE HAZARD FROM PROLONGED EXPOSURE. MAY CAUSE BLINDNESS IF SWALLOWED.

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

ACGIH TLV: SKIN- 200PPM(260 MG/M3)TWA; 250PPM(310 MG/M3) STEL

OSHA PEL: 200 PPM (260 MG/M3) TWA  
NIOSH DOCUMENT NUMBER: 76-148

**74-98-6 PROPANE 17.4-18.3**

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.

ACGIH TLV: SIMPLE ASPHYXIANT - SEE ACGIH TLVS, APPENDIX E  
OSHA PEL: 1000 PPM (1800 MG/M3) TWA

**75-28-5 ISOBUTANE 11.6-12.2**

**107-21-1 ETHYLENE GLYCOL 0-4.0**

OVEREXPOSURE MAY CAUSE LIVER DAMAGE.  
OVEREXPOSURE MAY CAUSE KIDNEY DAMAGE.

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

ACGIH TLV: VAPOR 50 PPM (125 MG/M3) CEILING

**108-88-3 TOLUENE 0-16.0**

OVEREXPOSURE MAY CAUSE LIVER DAMAGE.  
OVEREXPOSURE MAY 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 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.

ACGIH TLV: 100 PPM (375 MG/M3) TWA; 150 PPM (560 MG/M3) STEL  
OSHA PEL: 200 PPM TWA; 300 PPM CEILING;500 PPM 10-MIN. PEAK  
NIOSH DOCUMENT NUMBER: 73-11023

**110-54-3 HEXANE 5.1-8.6**

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

ACGIH TLV: 50 PPM (180 MG/M3) TWA  
OSHA PEL: 500 PPM (1800 MG/M3) TWA  
NIOSH DOCUMENT NUMBER: 77-151

**1330-20-7 XYLENE 1.9-18.3**

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

ACGIH TLV: 100 PPM (435 MG/M3) TWA; 150 PPM (655 MG/M3) STEL  
OSHA PEL: 100 PPM (435 MG/M3) TWA  
NIOSH DOCUMENT NUMBER: 75-168

**8032-32-4 V.M.&P. NAPHTHA 0.9-3.2**

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

ACGIH TLV: 300 PPM (1350 MG/M3) TWA; 400 PPM(1800 MG/M3) STEL  
NIOSH DOCUMENT NUMBER: 77-192

### PHYSICAL DATA

VAPOR PRESSURE -- SEE CAN PRESSURE  
VAPOR DENSITY HEAVIER THAN AIR  
SOLUBILITY IN WATER -- SLIGHT  
SPECIFIC GRAVITY LIGHTER THAN WATER  
EVAP RATE FASTER THAN BUTYL ACETATE  
BOILING POINT; APPEARANCE; ODOR--N.A.  
PERCENT VOLATILE BY WEIGHT 75 TO 83  
PERCENT NON-VOLATILE BY WEIGHT 17 TO 25  
PRESSURE IN CONTAINER, PSIG @ 70 F. APPROX 50

### ACUTE HEALTH HAZARD DATA

SKIN ABSORPTION: NOT EXPECTED TO BE HARMFUL UNDER NORMAL CONDITIONS OF USE.  
INGESTION: MAY BE HARMFUL IF SWALLOWED.  
INHALATION: MAY BE HARMFUL IF INHALED. LIQUID OR VAPOR CAN 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: AVOID BREATHING VAPOR OR MIST.  
USE WITH ADEQUATE VENTILATION.  
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.  
SEE REVERSE SIDE

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**EMERGENCY AND FIRST AID PROCEDURES**

INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING, CALL A PHYSICIAN IMMEDIATELY.  
SKIN ABSORPTION: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.  
INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.  
SKIN CONTACT: FLUSH SKIN WITH WATER. IF IRRITATION PERSISTS, CALL A PHYSICIAN.  
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.

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**FIRE AND EXPLOSION HAZARD DATA**

EXTREMELY FLAMMABLE.  
CONTENTS UNDER PRESSURE; EXPOSURE TO HIGH TEMPERATURE MAY CAUSE BURSTING. AVOID RADIATORS, STOVES, DIRECT SUNLIGHT, OR OTHER HEAT SOURCE. DO NOT PUNCTURE OR INCINERATE CONTAINER. DO NOT SPRAY NEAR OPEN FLAME.  
IN CASE OF FIRE, USE DRY CHEMICAL, FOAM OR CO<sub>2</sub>. WATER MAY BE INEFFECTIVE, BUT SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL.

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**REACTIVITY DATA**

NORMALLY STABLE AS DEFINED IN NFPA 704-12(4-3.1).  
MAJOR DECOMPOSITION PRODUCTS: CO, CO<sub>2</sub>  
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

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**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.

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**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.

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**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.

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**WASTE DISPOSAL METHOD**

DISPOSE OF ACCORDING TO LOCAL, STATE, 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.

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**STORAGE PRECAUTIONS**

DO NOT STORE AT TEMPERATURES OVER 120 F.

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**DOT CLASSIFICATION**

ORM-D CONSUMER COMMODITY

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