



# MATERIAL SAFETY DATA SHEET

Emergency Telephone  
(614) 431-6600

Consumer Products Division, Division of Borden, Inc.  
180 EAST BROAD STREET, COLUMBUS, OHIO 43215

For ordering information, additional copies of MSDS, etc., 800-848-9400  
For technical information only, 614-431-6680

**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**

DESCRIPTION: **KRYLON INT./EXT. ENAMEL**

PRODUCT TYPE: **SPARY PAINT "AEROSOL"**

10-Apr-89

APPLICATION: **ITEMS 1601 THRU 2501 — 1601 GLOSSY BLACK, 1602 ULTRA-FLAT BLACK, 1603 CHARCOAL GRAY, 1613 SEMI-FLAT BLACK, 1631 BLACK**

**LACQUER, 1704 SPANISH BROWN, 1803 MARIGOLD YELLOW (OLD CATERPILLAR YELLOW), 1804 BRIGHT YELLOW (JOHN DEERE YELLOW), 1809 SCHOOL BUS YELLOW, 1814 TOPAZ YELLOW (NEW CATERPILLAR YELLOW), 1901 REGAL BLUE, 1903 METALLIC BLUE, 2001 HUNTER GREEN, 2004 MOSS GREEN (JOHN DEERE/CASE GREEN), 2005 ERIN GREEN (OLIVER GREEN), 2101 CHERRY RED, 2103 AMERICAN BEAUTY RED (INT'L HARVESTER RED), 2108 BANNER RED, 2118 BURGUNDY, 2301 O.D. KHAKI, 2401 SUNSET ORANGE, 2404 MANDARIN ORANGE, 2410 POPSICLE ORANGE (SAFETY ORANGE), 2501 LEATHER BROWN, 16012 GLOSSY BLACK, 16022 ULTRA FLAT BLACK, 16132 SEMI FLAT BLACK, 18042 BRIGHT YELLOW, 19012 REGAL BLUE, 20012 HUNTER GREEN, 21012 CHERRY RED, 21082 BANNER RED, 25012 LEATHER BROWN**

### 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) REACTIVITY=0(LEAST)  
FIRE=4(EXTREME) CHRONIC=\*

### 108-10-1 METHYL ISOBUTYL KETONE

1-5

#### 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: 50 PPM (205 MG/M3) TWA; 75 PPM (300 MG/M3) STEL

**OSHA PEL: 50 PPM (205 MG/M3) TWA; 75 PPM (300 MG/M3) STEL**

NIOSH DOCUMENT NUMBER: 78-173

### 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.

**67-64-1 ACETONE 30-50**

#### 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: 750 PPM(1780 MG/M3) TWA; 1000 PPM(2375 MG/M3) STEL

**OSHA PEL: 750 PPM(1800 MG/M3) TWA; 1000 PPM(2400 MG/M3) STEL**

NIOSH DOCUMENT NUMBER: 78-173

**71-36-3 1-BUTANOL 1-5**

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

—SEE FOOTNOTE C.

ACGIH TLV: SKIN - 50 PPM (150 MG/M3) CEILING

**OSHA PEL: SKIN - 50 PPM (150 MG/M3) CEILING**

**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, APPENDIX E

**OSHA PEL: 1000 PPM (1800 MG/M3) TWA**

**78-93-3 \*METHYL ETHYL KETONE 5-10**

#### NOTE REVISED OSHA PEL

SUSPECT REPRODUCTIVE HAZARD. MAY CAUSE REPRODUCTIVE DISORDERS BASED ON ANIMAL DATA.

METHYL ETHYL KETONE MAY POTENTIATE (SHORTEN THE TIME OF ONSET) PERIPHERAL NEUROPATHY CAUSED BY METHYL N-BUTYL KETONE OR N-HEXANE. METHYL ETHYL KETONE BY ITSELF HAS NOT BEEN SHOWN TO CAUSE PERIPHERAL NEUROPATHY.

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: 200 PPM (590 MG/M3) TWA; 300 PPM (885 MG/M3) STEL

**OSHA PEL: 200 PPM (590 MG/M3) TWA; 300 PPM (885 MG/M3) STEL**

NIOSH DOCUMENT NUMBER: 78-173

### 108-65-6 2-PROPANOL, 1-METHOXY-, ACETATE

5-10

—SEE FOOTNOTE C.

ACGIH TLV: NONE ESTABLISHED

**OSHA PEL: NONE ESTABLISHED**

### 108-88-3 \*TOLUENE

1-5

#### 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

### 1330-20-7 \*XYLENE

10-30

#### 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 EVEN ASPHYXIATION.

—SEE FOOTNOTE C.

ACGIH TLV: 100 PPM (435 MG/M3) TWA; 150 PPM (655 MG/M3) STEL

**OSHA PEL: 100 PPM (435 MG/M3) TWA; 150 PPM (655 MG/M3) STEL**

NIOSH DOCUMENT NUMBER: 75-168

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

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

81 TO 89

PERCENT NON-VOLATILE BY WEIGHT

11 TO 19

PRESSURE IN CONTAINER, PSIG @ 70 F.

APPROX. 60

SEE REVERSE SIDE

**IMMEDIATE HEALTH HAZARD DATA**

SKIN ABSORPTION: NO HAZARDS KNOWN TO BORDEN.  
 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.  
 INHALATION: MAY BE HARMFUL IF INHALED. LIQUID OR VAPOR MAY CAUSE IRRITATION OF NOSE, THROAT AND LUNGS.  
 CAN CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION.  
 SKIN: CAUSES IRRITATION.  
 EYES: CAUSES IRRITATION.

**HANDLING PRECAUTIONS**

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.

**EMERGENCY AND FIRST AID PROCEDURES**

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.  
 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.** 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.  
 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 INT./EXT. ENAMEL**

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
67-64-1	ACETONE	36.71
71-36-3	N-BUTYL ALCOHOL	1.00
78-93-3	METHYL ETHYL KETONE	8.34
108-10-1	METHYL ISOBUTYL KETONE	1.00
108-65-6	2-PROPANOL, 1-METHOXY-, ACETATE	7.51
108-88-3	TOLUENE	1.68
1330-20-7	XYLENE (MIXED ISOMERS)	10.66

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.

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