



# 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

DESCRIPTION: **KRYLON 1306 WORKABLE FIXATIF SPRAY COAT.**  
PRODUCT TYPE: **"AEROSOL" DRAWING FIXATIVE**  
APPLICATION: **ITEM: 1306**

06-MAR-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.

|         |              |     |
|---------|--------------|-----|
| 67-63-0 | *ISOPROPANOL | 1-5 |
|---------|--------------|-----|

#### NOTE REVISED OSHA PEL

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: 400 PPM (980 MG/M3) TWA; 500 PPM (1225 MG/M3) STEL

OSHA PEL: 400 PPM (980 MG/M3) TWA; 500 PPM (1225 MG/M3) STEL

NIOSH DOCUMENT NUMBER: 76-142

|         |          |       |
|---------|----------|-------|
| 67-64-1 | *ACETONE | 50-70 |
|---------|----------|-------|

#### NOTE REVISED OSHA PEL

INGESTION MAY CAUSE LIVER DAMAGE.  
INGESTION MAY 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: 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

|         |           |       |
|---------|-----------|-------|
| 75-28-5 | ISOBUTANE | 10-30 |
|---------|-----------|-------|

— SEE FOOTNOTE C.

ACGIH TLV: NONE ESTABLISHED

OSHA PEL: NONE ESTABLISHED

|          |                                 |      |
|----------|---------------------------------|------|
| 108-65-6 | 2-PROPANOL, 1-METHOXY-, ACETATE | 5-10 |
|----------|---------------------------------|------|

— SEE FOOTNOTE C.

ACGIH TLV: NONE ESTABLISHED

OSHA PEL: NONE ESTABLISHED

|          |                                  |     |
|----------|----------------------------------|-----|
| 111-76-2 | *ETHYLENE GLYCOL MONOBUTYL ETHER | 1-5 |
|----------|----------------------------------|-----|

#### NOTE REVISED OSHA PEL

CAN CAUSE LIVER DAMAGE.  
CAN CAUSE KIDNEY DAMAGE.  
MAY CAUSE BLOOD DISORDER 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: SKIN - 25 PPM (120 MG/M3)

OSHA PEL: SKIN - 25 PPM (120 MG/M3) TWA

|           |                |     |
|-----------|----------------|-----|
| 9004-70-0 | NITROCELLULOSE | 1-5 |
|-----------|----------------|-----|

— SEE FOOTNOTE C.

ACGIH TLV: NONE ESTABLISHED

OSHA PEL: NONE ESTABLISHED

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   | > 10.9 (PROPELLANT)    |
| EVAPORATION RATE (BUTYL ACETATE=1) | > 1                    |
| FHSA: 16CFR1500.3(C) (6)           | EXTREMELY FLAMMABLE    |
| FLASH POINT, DEG F                 | > -4                   |
| FLASH POINT, PROPELLANT, DEG F     | < -117 (ESTIMATED)     |
| ODOR                               | HYDROCARBON SOLVENT    |
| ODOR THRESHOLD, PPM                | NOT AVAILABLE          |
| PERCENT VOLATILE BY WEIGHT         | 97.2                   |
| PH @ 68 DEG F                      | ESSENTIALLY NEUTRAL    |
| PRESSURE IN CONTAINER, PSIG @ 70 F | APPROXIMATELY 35       |
| SOLUBILITY IN WATER @ 68 DEG F     | SLIGHT                 |
| SPECIFIC GRAVITY                   | 0.72 +/- 0.02          |
| UP/LOW FLAMMABLE LIMITS, % BY VOL  | NOT AVAILABLE          |
| VAPOR DENSITY (AIR =1) @ 68 DEG F  | > 1                    |
| VAPOR PRESSURE - SEE CAN PRESSURE  |                        |
| COEFFICIENT OF WATER/OIL DISTRIB.  | NOT AVAILABLE          |

### IMMEDIATE HEALTH HAZARD DATA

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN.  
INGESTION: MAY BE HARMFUL IF SWALLOWED.  
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

SKIN ABSORPTION: AVOID 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 WHILE  
REMOVING CONTAMINATED CLOTHING AND SHOES.  
WASH CLOTHING AND SHOES BEFORE REUSE.  
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.

SEE REVERSE SIDE

PREVIOUS ISSUE: 25-JUL-89 CURRENT ISSUE: 06-MAR-90 KD-1306C

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: STRONG OXIDIZERS.

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

KEEP CONTAINER CLOSED.

STORE IN A COOL, WELL-VENTILATED AREA.

DO NOT STORE AT TEMPERATURES ABOVE 120 F.

AVOID RADIATORS, STOVES, DIRECT SUNLIGHT, OR OTHER HEAT SOURCE.

KEEP AWAY FROM HEAT, SPARKS, FLAME AND OTHER IGNITION SOURCES.

DO NOT STORE NEAR STRONG OXIDIZING CHEMICALS.

#### DOT CLASSIFICATION

ORM-D CONSUMER COMMODITY.

**SARA TITLE III SECTION 313 AND 40 CFR PART 372  
TOXIC CHEMICAL NOTIFICATION SHEET.**

**KRYLON 1306 WORKABLE FIXATIF SPRAY COAT.**

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<br>NUMBER | CHEMICAL NAME   | PCT. BY<br>WEIGHT |
|------------------------|-----------------|-------------------|
| 67-64-1                | ACETONE         | 62.03             |
|                        | - GLYCOL ETHERS | 5.88              |
|                        | - GLYCOL ETHERS | 1.40              |

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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