

MATERIAL SAFETY DATA SHEET

SECTION I —
PRODUCT IDENTIFICATION

KRYLON INDUSTRIAL
8830 COCHRAN ROAD
SOLOON, OH 44139

EMERGENCY TELEPHONE NO.

(216) 292-7400

INFORMATION TELEPHONE NO.

(800) 247-3266

DATE OF PREPARATION

1 - FEB - 93

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Industrial Maintenance & Touch Up Spray Colors

IM/KRI2

CAS No.	SECTION II — HAZARDOUS INGREDIENT (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	1802 Ultra Flat Black	1603 Charcoal Gray	1604 Shadow Gray	1605 Dove Gray	1606 Pewter Gray	1608 Smoke Gray	1613 Semi-Gloss Black	1615 Machine Light Gray	1616 Machine Dark Gray	1617 Pearl Gray	1631 Auto Black Lacquer	1701 Bright Gold
74-98-6	Propane (propellant)		1000	PPM	760.0	17	17	17	17	17	17	17	17	17	17	17	14
75-28-5	2-Methylpropane (propellant)		Not Established		760.0												14
108-88-3	Toluene	50	100	PPM (Skin)	22.0	26	2	2	2	2	2	6	2	2	2	2	8
100-41-4	Ethylbenzene	100	100	PPM	7.1		2	2	2	2	2	1	2	2	2	1	4
1330-20-7	Xylene	100	100	PPM	5.9	3	12	8	10	8	9	7	6	8	10	6	14
67-64-1	Acetone	750	750	PPM	180.0	34	37	38	37	37	37	37	37	37	37	37	37
71-36-3	1-Butanol	C 50	C 50	PPM	5.5		1			1							
78-93-3	Methyl Ethyl Ketone	200	200	PPM	70.0		8	8	9	8	9	13	9	8	9	17	
108-10-1	Methyl Isobutyl Ketone	50	50	PPM	16.0		2	3	1	1	2	1	1	3	1	1	
108-65-6	1-Methoxy-2-Propanol Acetate	Not Established	Not Established		1.8		7	8	7	8	7	8	8	9	7	8	
13463-67-7	Titanium Dioxide	10	10[5]	Mg/M3 as Dust (Resp. Fraction)				3	3	5	3		4	3	4		
1333-88-4	Carbon Black	3.5	3.5	Mg/M3								1					
7440-50-8	Copper	1	1	Mg/M3													4
	VOC as a percent by weight per BAAQMD Rule 49					80	87	84	85	83	84	89	84	83	84	88	80
	NFPA Code 308 Level					3	3	3	3	3	3	3	3	3	3	3	3
	HMS® Ratings (Health - Flammability - Reactivity)					2-4-0	2-4-0	2-4-0	2-4-0	2-4-0	2-4-0	2-4-0	2-4-0	2-4-0	2-4-0	2-4-0	2-4-0

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.95 C

PURSUANT TO PROPOSITION 65: These products contain Toluene which is known by the state of California to cause reproductive toxicity.

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Section III — PHYSICAL DATA

PRODUCT WEIGHT — N.A.	EVAPORATION RATE — Faster than Ether
SPECIFIC GRAVITY — N.A.	VAPOR DENSITY — Heavier than Air
BOILING RANGE — <0- 302°F	MELTING POINT — N.A.
SOLUBILITY IN WATER — N.A.	

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION	FLASH POINT	<0 °F	PHCC	LEL	0.3	UEL	13.1
Extremely Flammable, Flash below 21 °F	EXTINGUISHING MEDIA						
Carbon Dioxide, Dry Chemical, Foam	UNUSUAL FIRE AND EXPLOSION HAZARDS						
	Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.						
	SPECIAL FIRE FIGHTING PROCEDURES						
	Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.						

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE	
Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.	
ACUTE HEALTH HAZARDS	
EFFECTS OF OVEREXPOSURE	
Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.	
SIGNS AND SYMPTOMS OF OVEREXPOSURE	
Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.	
Redness and itching or burning sensation may indicate eye or excessive skin exposure. None generally recognized.	
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	
EMERGENCY AND FIRST AID PROCEDURES	
IF INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.	
IF ON SKIN: Wash affected area thoroughly with soap and water.	
IF IN EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.	
IF SWALLOWED: Get medical attention.	
CHRONIC HEALTH HAZARDS	
No ingredient in these products is an IARC, NTP or OSHA listed carcinogen. Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood-forming, cardiovascular, and reproductive systems.	
Methyl Ethyl Ketone may increase the nervous system effects of other solvents.	
Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer. However, such exposure levels are not attainable in the workplace.	
Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.	

Section VI — REACTIVITY DATA

STABILITY — Stable	
INCOMPATIBILITY	
None known.	
HAZARDOUS DECOMPOSITION PRODUCTS	
By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section II	
HAZARDOUS POLYMERIZATION — Will Not Occur	

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.
WASTE DISPOSAL METHOD
Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Methyl Ethyl Ketone or Copper may require testing for extractability.
Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.
This coating may contain materials classified as nuisance particulates (listed "as dust" in Section II) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TUV 10 mg./m3 (total dust), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).
VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.
RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.
When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.
PROTECTIVE GLOVES
None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.
EYE PROTECTION
Wear safety spectacles with unperforated side shields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY — 1A
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.
During use and until all vapors are gone. Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
Consult NFPA Code. Use approved bonding and grounding procedures.
Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.
OTHER PRECAUTIONS
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.