KRYLON DIV OF SHERWIN-WILLIAMS - 2101,CHERRY RED INDUSTRIAL MAINTAINCE & TOUCH UP
MATERIAL SAFETY DATA SHEET
NSN: 801000D020104
Manufacturer's CAGE: KRYLO
Part No. Indicator: A
Part Number/Trade Name: 2101,CHERRY RED INDUSTRIAL MAINTAINCE & TOUCH UP
SPEC COLOR

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General Information

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Company's Name: KRYLON,DIVISION OF SHERWIN-WILLIAMS COMPANY
Company's Street: 31500 SOLON RD.
Company's City: SOLON
Company's State: OH
Company's Country: US
Company's Zip Code: 44139
Company's Emerg Ph #: 216-292-7400
Company's Info Ph #: 800-247-3266
Distributor/Vendor # 1: INDUSTRIAL ARTS SUPPLY
Distributor/Vendor # 1 Cage: 9F361
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 01MAR95
Safety Data Review Date: 07NOV96
Supply Item Manager: CX
MSDS Preparer's Name: UNKNOWN
MSDS Serial Number: CBSWX
Specification Number: NONE
Spec Type, Grade, Class: NONE
Hazard Characteristic Code: F1
Unit Of Issue: NK
Unit Of Issue Container Qty: UNKNOWN
Type Of Container: UNKNOWN
Net Unit Weight: UNKNOWN

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: PROPANE
Ingredient Sequence Number: 01
Percent: 13
NIOSH (RTECS) Number: TX2275000
CAS Number: 74-98-6
OSHA PEL: 1000 PPM
ACGIH TLV: ASPHYXIANT; 9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: BUTANE
Ingredient Sequence Number: 02
Percent: 7
NIOSH (RTECS) Number: EJ4200000
CAS Number: 106-97-8
OSHA PEL: 800 PPM
ACGIH TLV: 800 PPM; 9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: ETHYL BENZENE (SARA 313)
Ingredient Sequence Number: 03
Percent: 2
NIOSH (RTECS) Number: DA0700000
CAS Number: 100-41-4
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM/125STEL;9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: XYLENES (O-,M-,P- ISOMERS) (SARA 313) (CERCLA)
Ingredient Sequence Number: 04
Percent: 10
NIOSH (RTECS) Number: ZE2100000
CAS Number: 1330-20-7
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM/150STEL;9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: ACETONE (SARA 313) (CERCLA)
Ingredient Sequence Number: 05
Percent: 34
NIOSH (RTECS) Number: AL3150000
CAS Number: 67-64-1
OSHA PEL: 1000 PPM
ACGIH TLV: 750PPM/1000STEL;9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCLA)

(38)

Ingredient Sequence Number: 06
Percent: 8
NIOSH (RTECS) Number: EL6475000
CAS Number: 78-93-3
OSHA PEL: 200 PPM
ACGIH TLV: 200 PPM/300STEL;9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: METHYL ISOBUTYL KETONE (HEXONE) (SARA 313) (CERCLA)
Ingredient Sequence Number: 07
Percent: 3
NIOSH (RTECS) Number: SA9275000
CAS Number: 108-10-1
OSHA PEL: 100 PPM
ACGIH TLV: 50 PPM/75 STEL; 9596
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE
Ingredient Sequence Number: 08
Percent: 7
NIOSH (RTECS) Number: AI8295000
CAS Number: 108-65-6
OSHA PEL: NOT ESTABLISHED.
ACGIH TLV: NOT ESTABLISHED.
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: VOLATILE ORGANIC CONTENT,BY BAAQMD RULE IS 85%
Ingredient Sequence Number: 09
NIOSH (RTECS) Number: 9999999VO
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED
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Physical/Chemical Characteristics

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Appearance And Odor: AEROSOL PAINT,RED,CHARACTERISTIC ODOR.
Boiling Point: <0-302F
Vapor Density (Air=1): <1
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: >1 ETHER=1
Corrosion Rate (IPY): UNKNOWN
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Fire and Explosion Hazard Data

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Flash Point: <21F,<-6C
Flash Point Method: PMCC
Lower Explosive Limit: 0.9
Upper Explosive Limit: 13.1
Extinguishing Media: DRY CHEMICAL,CARBON DIOXIDE,FOAM.WATER MAY BE AN INEFFECTIVE EXTINGUISHANT.
Special Fire Fighting Proc: USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.
Unusual Fire And Expl Hazrds: FIRE CONDITIONS MAY EVOLVE TOXIC FUMES. CONTAINERS MAY BURST FRO MHAT OF FIRE.
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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): HIGH HEAT,SOURCES OF IGNITION.
Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomp Products: CARBON DIOXIDE,CARBON MONOXIDE,OXIDES OF METALS.
Hazardous Poly Occur: NO
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Health Hazard Data

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LD50-LC50 Mixture: LD50 FOR THIS PRODUCT IS NOT ESTABLISHED
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: EYES:MAY CAUSE IRRITATION.SKIN:MAY CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION AND CNS DEPRESSION.CHRONIC:MAY DAMAGE LIVER,KIDNEYS,BRAIN,BLOOD FORMING ORGANS,CARDIOVASCULAR AND REPRODUCTIVE SYSTEMS.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Si 'Symptoms Of Overexp: INHAL:HEADACHE,DIZZINESS,LOSS OF CO .NATION.EYES:REDNESS,ITCHING.
Med Cond Aggravated By Exp: MANUFACTURER STATES NONE.
Emergency/First Aid Proc: SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND ATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.GET MEDICAL ATTENTIONINHAL:REMOVE TO FRESH AIR.KEEP WARM AND QUIET.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.
Ne lizing Agent: NOT APPLICABLE.
Was Disposal Method: DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.
Precautions-Handling/Storing: STORE BELOW 120F IN A DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT,SPARKS, FLAMES AND INCOMPATIBLE MATERIALS.
Other Precautions: THE DUST FROM ABRAIDING THE DRIED PRODUCT MAY BE CLASSIFIED AS A NUISSANCE DUST(TLV IS 10MG/M*3;PEL IS 15MG/M*3;10MG/M*3 FOR RESPIRABLE FRACTION);USE APPROPRIATE NIOSH/MSHA APPROVED DUST RESPIRATOR.

Control Measures

Respiratory Protection: WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS. (ALSO SEE 'OTHER PRECAUTIONS').
Ventilation: LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.
Protective Gloves: CHEMICALLY RESISTANT GLOVES
Eye Protection: SAFETY GLASSES WITH UNPERFORATED SHIELDS
Other Protective Equipment: PROVIDE A LOCAL EYE WASH STATION.
Work Hygienic Practices: USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.
Suppl. Safety & Health Data: DELIBERATE CONCENTRATING AND INHALING OF THE VAPORS FROM THIS PRODUCT HAVE BEEN ASSOCIATED WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

Transportation Data

Trans Data Review Date: 96312
DOT PSN Code: AGC
DOT Proper Shipping Name: AEROSOLS, FLAMMABLE,
DOT Class: 2.1
DOT ID Number: UN1950
DOT Label: FLAMMABLE GAS
IMO PSN Code: AIY
IMO Proper Shipping Name: AEROSOL DISPENSERS
IMO Regulations Page Number: 9022
IMO UN Number: 1950
IMO Class: 9
IMO Subsidiary Risk Label: -
IATA PSN Code: ALS
IATA UN ID Number: 1950
IATA Proper Shipping Name: AEROSOLS, FLAMMABLE, N.O.S. *
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
AFI PSN Code: ALR
AFI Symbols: *
AFI Prop. Shipping Name: AEROSOLS, FLAMMABLE, N.O.S.
AFI Class: 2.1
AFI ID Number: UN1950
AFI Basic Pac Ref: A6.3
MMAC Code: NR
Additional Trans Data: NONE

Disposal Data

Label Data

Label Required: YES
Technical Review Date: 07NOV96
MFR Label Number: UNKNOWN
Label Status: F
Common Name: 2101,CHERRY RED INDUSTRIAL MAINTAINCE & TOUCH UP SPRAY COLOR
Signal Word: DANGER!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-Severe: X
Reactivity Hazard-None: X
Special Hazard Precautions: EYES:MAY CAUSE IRRITATION.SKIN:MAY CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION AND CNS DEPRESSION.CHRONIC:MAY DAMAGE LIVER,KIDNEYS,BRAIN,BLOOD REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND ATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.GET MEDICAL ATTENTIONINHAL:REMOVE TO FRESH AIR.KEEP WARM AND QUI GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOI NG.GET PROMPT QUALIFIED MEDICAL ATTENTION.
Protect Eye: Y
Protect Skin: Y
Label Name: KRYLON,DIVISION OF SHERWIN-WILLIAMS COMPANY
Label Street: 31500 SOLON RD.
Label City: SOLON
Label State: OH

Label Zip Code: 44139
Label Country: US
Label Emergency Number: 216-292-7400
Year Procured: 1996

MATERIAL SAFETY DATA SHEET
#112 AMMONIATED ULTRASONIC INSTRUMENT CLEANING SOLUTION

PCN(s): 026,188, 189, 190 Publication Date: 03 / 09 /01 REV. D

1. SUPPLIER AND EMERGENCY INFORMATION

L&R Manufacturing Company
577 Elm Street, P.O. Box 607
Kearny, NJ 07032 - 0607 USA

Product Information
Call: 201-991-5330

Emergency Phone Numbers:
For emergencies involving a spill, leak, fire or accident contact:
CHEMTREC - 800-424-9300 within the United States or **703-527-3887** for international collect calls.

2. COMPOSITION/INFORMATION ON INGREDIENT

Component	CAS Number	Percentage
Stoddard Solvent	8052-41-3	60-70
VM&P Naphtha	8032-32-4	15-20
Oleic Acid	112-80-1	5 -10
Isopropanolamine	78-96-6	1 - 5
2 Propoxyethanol	2807-30-9	1 - 5
Ammonium Hydroxide	1336-21-6	1 - 5

3. HAZARDS IDENTIFICATION

Physical appearance and odor: Pale amber liquid with ammonia type odor

A: WARNING STATEMENT:

Good industrial hygiene practices should be used when handling this material.

Acute Eyes: Direct contact causes irritation, redness and possible tearing.

Acute Skin: Prolonged or repeated contact causes redness, and drying of the skin.

Acute Inhalation: Breathing high concentrations of vapors or mists may cause irritation to the nose and drowsiness.

Acute Ingestion: Expected to cause nausea dizziness, drowsiness, irritation of the digestive tract.

B: POTENTIAL HEALTH EFFECTS:

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

4. FIRST AID MEASURES

Eye Exposure: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

Skin Exposure: Wash thoroughly with water. If irritation or redness develops, seek medical attention.

Inhalation: If respiratory irritation or distress occurs, move victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Ingestion: Seek immediate medical attention. DO NOT INDUCE VOMITING.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Skin contact may aggravate existing skin disease.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

FLASH POINT: 82 °F (27.8°C) **METHOD USED:** Tag Closed Cup

Flammability limits (vol/vol%) : Lower: No Data Upper: No Data

Extinguishing Media: Extinguish with dry chemical, CO_2 or a BC/ABC extinguisher.

Special Fire Fighting Procedures: None known.

Unusual Fire and Explosion Hazards: Product will burn under fire conditions. Closed containers may explode due to build up of pressure when exposed to extreme heat.

Hazardous Decomposition Materials: (under fire conditions) Oxides of nitrogen and carbon.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Ventilate area of spill, use non-reactive material to pick up spill. Dispose of in accordance with local, state and federal regulations.

Environmental and Regulatory Reporting: Not required.

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures: 39 to 100 °F. Protect from freezing. Freezing may cause separation the product. If product is allowed to return to room temperature and shaken, it may return to its original state.

HANDLING: AVOID CONTACT WITH SKIN, EYES OR CLOTHING

8. EXPOSURE CONTROL/PERSONAL PROTECTION

General: These recommendations provide general guidance for handling of this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. When developing safe handling procedures, do not overlook the need to clean and dispose of the material. Waste resulting from the use of this product should be handled in accordance with Section 13: Disposal Considerations.

Exposure Guidelines: Exposure limits are recommended worker breathing limits. The following limits apply to this material:

INGREDIENTS	LIMITS	INGREDIENTS	LIMITS
Stoddard Solvent	100 ppm OSHA/ TWA	2-Propoxyethanol	None established
VM&P Naphtha	300 ppm OSHA/ ACGIH TWA	Ammonium Hydroxide 25° Be	50 ppm (as ammonia)
Oleic Acid	None established	Isopropanolamine	None established

8. EXPOSURE CONTROL/ PERSONAL PROTECTION, CONTINUED

Engineering Controls: Normal room ventilation.
Respiratory Controls: For reasonable uses of this material, respiratory protection should not be necessary.
Eye/Face Protection: Safety glasses to protect from splashing
Skin Protection: Rubber or plastic gloves to avoid drying and irritation to the skin.
Work Practice Control: Normal hygiene in the work area should be taken when working with or handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical appearance: Pale yellow to amber
Odor: Ammonia
pH: 10.5
Specific Gravity: 0.79
Water Solubility: Forms an emulsion
Melting Point Range: N/A
Freezing Point Range: < 32 °F
Boiling Point: > 212° F
Vapor Pressure: N/E
Vapor Density: N/E
Percent Volatile: Approx. 70%
V.O.C. (Calculated): 5.67 lbs/gal or 679.7 g/l

10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal handling and storage conditions as described in Section 7.
Conditions to Be Avoided: Heat, open flame.
Materials/Chemicals to be avoided: strong acids.
Decomposition type: Thermal Oxides of carbon and nitrogen
Hazardous Polymerization: WILL NOT OCCUR
Avoid the following to inhibit hazardous polymerization: NOT APPLICABLE

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation: Irritating to eyes.
Acute Skin Irritation: No test data found for product.
Acute Dermal Toxicity: No test data found for product.
Acute Respiratory Irritation: No test data found for product.
Acute Inhalation Toxicity: No test data found for product.
Acute Oral Toxicity: LD50 (rat)

Stoddard Solvent > 5 gm/kg	2-Propoxyethanol = 3089 mg/kg
VM&P Naphth > 5 gm/kg	Ammonium Hydroxide 25° Be = 350 mg/kg
Oleic Acid > 5 gm/kg	Isopropanolamine = 2098 mg/kg

Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC OR ACGIH to be a probable or suspected human carcinogens. No additional test data was found for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data found

13. DISPOSAL CONSIDERATIONS

This material is a flammable liquid and must be disposed in accordance with all local, state and federal regulations. IT CAN NOT BE DISPOSED OF IN A SANITARY SEWER SYSTEM.

14. TRANSPORTATION INFORMATION

For domestic ground shipments of containers of 1 gallon or less, this material is listed as ORM-D. For all other containers :
COMPOUNDS, CLEANING LIQUID (Contains Naphtha, Petroleum), 3, NA 1993, Packing group III.
Do not stack cartons more than five high.

15. REGULATORY INFORMATION

Inventory Issues: All components of this product are listed on the U.S. TSCA and Canadian DSL, chemical listings

16. OTHER INFORMATION

National Fire Protection Association Hazard Rating, NFPA

Health	Flammability	Reactivity	General
2	3	0	--

MSDS CHANGES

REV	DATE	DESCRIPTION OF CHANGE	AUTHOR
A	03/01/99	Changed to ANSI MSDS format	P. Simon
B	08/08/99	Changed wording of section 3 A	P. Simon
C	04/17/00	Revised wording of section 15	P. Simon
D	02/20/01	Revised shipping description section 14	P. Simon

Disclaimer: The information herein is given in good faith but no warranty expressed or implied is made.

Prepared By: P. Simon Date: 03/01/99
Product Name: **# 112 ULTRASONIC INSTRUMENT CLEANING SOLUTION**