

71022

M A T E R I A L S S A F E T Y D A T A S H E E T

Page: 1

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: UNI-PRIME PRIMER RED OXIDE
 PRODUCT IDENTIFIER: 71022
 PRODUCT USE: General purpose coating.
 PRODUCT IDENTIFICATION NUMBER: UN1263
 WHMIS INFO.: D2, D2B

HMIS CODES: H 2 P
 2 2 0 G

MANUFACTURER'S NAME: Cloverdale Paint Inc.
 ADDRESS: 6950 King George Highway
 Surrey, BC, Canada
 V3W 4Z1

EMERGENCY PHONE: (613) 996-6666
 INFORMATION PHONE: (604) 596-6261

DATE PRINTED: 02/11/98

ABBREVIATIONS: N/AP - NOT APPLICABLE N/AV - NOT AVAILABLE

SECTION II - HAZARDOUS INGREDIENTS

REPORTABLE COMPONENTS	CAS NUMBER	WEIGHT PERCENT	OCCUPATIONAL EXPOSURE LIMITS
LIGHT NAPHTHA - HYDROTREATED	64742-49-0	7-13	ACGIH TLV: 400 ppm LD50: ORAL: >25000 mg/kg (RAT); 12500 mg/kg (RAT)
* XYLENE	1330-80-7	5-10	ACGIH TLV: 100 ppm LD50: ORAL: 600 mg/kg (RAT); LC50: 6300 ppm/4H (RAT)
LIGHT DISTILLATE - HYDROTREATED	64742-47-8	3-7	ACGIH TLV: 100 ppm LD50: ORAL: >2g/kg (RAT); LC50: 1400 ppm/4H (RAT)
HEAVY FLASH NAPHTHA	64742-95-6	1-5	ACGIH TLV: 50 ppm LD50: ORAL: 28.0 mg/kg (RAT); LC50: 10200 mg/m3/4H (RAT)
* TOLUENE	108-88-3	1-5	ACGIH TLV: 100 ppm LD50: >2g/kg skin rabbit; LC50: 8000 ppm/4H (RAT)

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title 111 and of 40 CFR 372.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 99 deg C
 VAPOR DENSITY: Heavier than air.
 EVAPORATION RATE: Faster than n-Butyl Acetate.
 SPECIFIC GRAVITY (H2O=1): 1.25
 PHYSICAL STATE: Liquid
 VAPOR PRESSURE: mm Hg @ TEMP (F)

80	100
5	68
7	100
3.5	100
22	68

COATING V.O.C.: 473 g/l

SOLUBILITY IN WATER: Insoluble.

APPEARANCE AND ODOR: Moderately thick liquid; Aromatic odor.

FREEZING POINT: Not available.

pH: N/AP

71022

MATERIAL SAFETY DATA SHEET

Page: 2

COEFFICIENT OF WATER/OIL DIST: N/AV ODOR THRESHOLD: 1-30 ppm

SECTION IV - FIRE AND EXPLOSION HAZARD DATAFLASH POINT: -7 deg C METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME (%) - LOWER: 1 UPPER: 7.1

EXTINGUISHING MEDIA: Foam, CO2, Dry chemical, Water fog.

SPECIAL FIREFIGHTING PROCEDURES

Respiratory equipment should be worn to avoid inhalation of concentrated vapours. Water should not be used except as a fog to keep nearby containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Handle as a flammable liquid. Vapours form an explosive mixture in air between the upper and lower explosive limits, which, can be ignited by many sources such as pilot lights, open flames, electrical boxes and switches. Vapour may travel along the ground and flashback along vapour trail may occur.

FLAMMABILITY - T.D.G.R. CLASS

3.2

SENSITIVITY TO IMPACT: NO

AUTO-IGNITION TEMPERATURE:

Not available

SENSITIVITY TO STATIC DISCHARGE

Yes

HAZARDOUS COMBUSTION PRODUCTS:

Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen.

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat, Poor ventilation, Corrosive atmospheres, Excessive aging.

INCOMPATIBILITY (MATERIALS TO AVOID)

Alkaline materials, strong acids and oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE KNOWN

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - TOXICOLOGICAL DATA**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

May cause respiratory irritation, dizziness, breathing difficulty, headaches and loss of co-ordination.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Eye Contact: May cause severe irritation, tearing, redness and blurred vision.

71022

M A T E R I A L S A F E T Y D A T A S H E E T

Page: 3

Skin Contact: May cause irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May dry and defat skin causing cracks, irritation and dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause gastrointestinal irritation, vomiting, nausea and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute health hazards are as listed above.
No chronic health hazards.

SENSITIZING CAPABILITY: NONE KNOWN

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No
N/AP

TERATOGENICITY AND EMBRYOTOXICITY

Not available.

REPRODUCTIVE TOXICITY

Not available.

MUTAGENICITY

Not available.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS

None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

asthesis, respiratory tract irritation, dermatitis, nausea, vomiting.

******* SECTION VII - PREVENTIVE MEASURES *********STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Eliminate ignition sources. Provide good ventilation or wear appropriate breathing apparatus. Absorb small spills with non-flammable absorbent. Contain spills by diking with non-flammable absorbent. Notify environmental agency.

WASTE DISPOSAL METHOD

Reclaim or dispose of through a licensed waste disposal company according to Federal, Provincial and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Flammable. Store in a cool, dry, well ventilated area away from heat and ignition sources. Keep containers closed when not in use. Avoid breathing vapours or mist and prolonged or repeated contact with skin. Launder contaminated clothing prior to re-use. Use good personal hygiene. Product is a static accumulator. Transfer equipment should be grounded or bonded.

OTHER PRECAUTIONS

Smoking in the area where this material is used must be strictly prohibited.

RESPIRATORY PROTECTION

NIOSH approved for organic vapours and particulate matter.

71022

MATERIAL SAFETY DATA SHEET

Page: 4

VENTILATION

General mechanical ventilation or local exhaust should be available to keep vapour concentrations below TLV. Ventilation equipment must be explosion proof. Make up air should be supplied to balance air exhausted.

PROTECTIVE GLOVES

Solvent impervious e.g. Viton, Nitrile, PVC.

EYE PROTECTION

Chemical safety glasses, goggles or face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Use impermeable aprons and protective clothing whenever possible to prevent skin contact.

WORK/HYGIENIC PRACTICES

Eye washes and safety showers in the workplace are recommended.

SECTION VIII - FIRST AID MEASURES

INHALATION OVEREXPOSURE: Move person to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention.

EYE CONTACT: Flush with water for at least 15 minutes. Seek medical attention.

SKIN CONTACT: Wash thoroughly with mild soap and water.

INGESTION: Do not induce vomiting. Aspiration of solvents in this product can cause inflammation of the lungs.

SECTION IX - PREPARATION

PREPARED BY: TECHNICAL DEPARTMENT

REVISION DATE: JANUARY 1998

SECTION X - DISCLAIMER

To the best of our knowledge, the information contained here is accurate, obtained from sources believed by Cloverdale Paint Inc. to be accurate. No warranty concerning the accuracy of these sources is made and Cloverdale Paint Inc. will not be held liable for claims relating to use of the information or recommendations.