

SAFETY DATA SHEET

RUST CHEM PRIMERS



SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Supplier:	Harris Group of Companies Willey, St. Michael Barbados, BB14006 Tel: 246-429-4840	
Product Code and Name:	11/1002 and 13/2032 Rust Chem Red Oxide Primer 11/1003 Rust Chem Anchorlite Heavy Duty Primer 11/1004 and 11/1304 Rust Chem Universal Primer	
Manufacturer:	Harris Group of Companies Willey, St. Michael, Barbados, BB14006	
General Information:	Technical Department Harris Paints Barbados (2003) Limited	Tel: (246) 429-4840 Fax: (246) 436-9544 E-Mail: technical@harrispaintsonline.com
Product Use:	Metal Primers	
Date of Preparation:	February 15, 2021	Revision#: 3

SECTION 2: HAZARDOUS IDENTIFICATION

GHS Classification	Classification Categories
Flammable Liquid	Category 3:
Acute Toxicity	
Oral	Category 5
Dermal	Category 5
Inhalation: Gas	Not Applicable
Inhalation: Vapour	Not classifiable
Inhalation: Dust and Mist	Not classifiable under normal handling
Skin corrosion/Irritation	Category 3: Mild Irritant
Eye damage/ Eye irritation	Category 2B
Respiratory Sensitization Solid/Liquid	No available data
Respiratory Sensitization Gas	Not classifiable

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Skin Sensitization	No available data
Germ Cell Mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	No available data
Effects on or via lactation	Not classifiable
Specific Target Organ/Systemic Toxicity (Single Exposure)	Not classifiable for skin or inhalation. No available data for ingestion
Specific Target/Systemic Toxicity (Repeated Exposure)	No available data
Aspiration Hazard	No available data
Hazard to the Aquatic Environment (Acute)	No available data
Hazard to the Aquatic Environment (Chronic)	No available data

Hazard Statement

Combustible liquid

May be harmful if swallowed

May be harmful in contact with skin for prolonged or repeat periods

May be harmful with prolonged or repeat inhalation

Cause mild skin irritation to compromised skin

Cause eye irritation

May be harmful if swallowed and enters airways

May cause damage to skin, eyes, respiratory tract, lungs, liver, kidneys and CNS through prolonged or repeated exposure due to inappropriate use

Harmful to aquatic life

Symbols



Signal word

Warning

Precautionary Statement

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May be harmful in contact with skin, inhalation, or ingestion.

Keep out of reach of children

1. Keep away from heat, open flames and hot surfaces. No smoking
2. Do not eat or drink when using this product.
3. Wear protective gloves, eye/face protection and long-sleeved clothing to avoid skin contact.
4. If exposed or concerned: Get medical advice/attention.
5. Avoid breathing dust, mist, vapours or spray.
6. Use in a well-ventilated area.
7. Wash hands with soap and water thoroughly after handling.
8. Avoid release to the environment.

SECTION 3: HAZARDOUS COMPOSITION OF INGREDIENTS AND INFORMATION

INGREDIENTS NAMES			COMPOSITION % (lb /gal.)		
Common Name	Chemical Name	CAS No.	*-161	*-159	*-00
Xylene isomers	Xylene isomers	1330-20-7	10.7 – 21.4	-	-
Ethylbenzene	Ethylbenzene	100-41-4	3.69 – 6.21	-	-
Toluene	Toluene	108-88-3	0.45 – 0.57	-	-
Quartz, Silica	Quartz, Crystallised Silicon Dioxide	14808-60-7	<0.02	2.38 – 2.67	<0.025
Mineral Spirits, Stoddard Solvent	Aliphatic Hydrocarbons	8052-41-3	0.026	-	-
Rule 66 Mineral Spirits, Naphtha	Medium Aliphatic	64742-88-7	-	11.0	13.7
Kerosene; Naphtha (Petroleum) hydrotreated heavy	Naphtha; Kerosene	64742-48-9	3.28 – 3.20	21.2	17.7 – 17.8
Naphtha (Petroleum) hydrodesulphurise d heavy	Naphtha (Petroleum) hydrodesulphurise d heavy	64742-82-1	-	<0.005	<0.005
Naphtha (Petroleum) hydrotreated light	Naphtha (Petroleum) hydrotreated light	64742-49-0	0.11 – 0.12	0.11 – 0.12	0.07 – 0.08
N-Butanol	N-Butanol	71-36-3	0.57	-	-
1-Methoxy-2- Propanol	1-Methoxy-2-Propanol	107-98-2	-	0.03 – 0.06	0.04 – 0.07

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Zinc Chromate	Zinc Potassium Chromate Hydroxide	11103-86-9	11.6	8.21	7.10
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SECTION 4: FIRST-AID MEASURES

Skin Contact: If on skin, wash with plenty of water and soap. Take off contaminated clothing and wash before re-use. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeat applications may be needed. If skin irritation or rash occurs, get medical attention.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Have trained person give oxygen if necessary. If necessary, restore and support continued breathing and get emergency medical attention. Get medical help for any breathing difficulty. Remove to fresh air if inhalation caused eye watering, headaches, dizziness or other discomfort. Get medical attention if discomfort or irritation persists.

Eye Contact: Immediately flush cautiously with large amounts of water, especially under lids for at least 15 minutes. Remove contact lenses, if present and easy to do so and continue rinsing. If irritation or other effects persist, obtain medical treatment.

Ingestion: Rinse mouth. If swallowed, do not induce vomiting. If victim is conscious give at least 2 glasses of water. Obtain medical treatment immediately if feeling unwell.

SECTION 5: FIRE-FIGHTING MEASURES

In case of fire use and be aware of the following:

Suitable Extinguishing Media: Dry chemical, foam or carbon dioxide. Water should only be used to cool fire-exposed containers, structures and to protect personnel or to dilute and flush away from sources of ignition.

Unusual Fire and Explosion Hazards: Closed containers may explode when exposed to extreme heat or fire. Vapours may concentrate in confined areas. Vapours may be heavier than air and may travel along distances to a source of ignition and flash back.

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Fire Fighting Procedure

Wear full protective clothing such as heat insulating clothes and gloves, eye and face protection and respiratory protection.

Self-contained breathing apparatus should be used when entering the hotzone.

Remove any combustible material from the surrounding area where safe to do so.

Start firefighting from an up wind/wind ward direction.

Only use the specified extinguishing media.

Products of Combustion:

Carbon monoxide, carbon dioxide, monomer vapours, toxic gases.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General Measures: Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Spills may be collected with absorbent materials. Place collected material in an appropriate container. Complete personal protective equipment must be used during cleanup.

Small Spills and Leaks: Use non-combustible, absorbent material such as sand, vermiculite and place into containers to dispose of properly.

Large Spills and Leaks: Shut off leak if safe to do so. Dike and contain spill. Pump to storage or salvage vessel. Use absorbent to collect excess residue.

SECTION 7: HANDLING AND STORAGE

General Precautions: Do not use this product other than the purpose specified by the manufacturer or Supplier. Keep out of reach of children.
N.B.: Keep running water sources on site in cases of emergency and for afterwork cleaning.

Handling: Use only with adequate ventilation. Do not take internally. Avoid contact with skin and eyes and breathing of vapours. Wash hands thoroughly after handling, especially before eating or smoking. Avoid conditions which result in formation of inhalable particles such as spraying or sanding painted surfaces. If such conditions cannot be avoided, use appropriate respiratory protection as directed under exposure control/personal protection.

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Storage: Smaller quantities should be Polypropylene pails or lacquer lined tins if removing from the original containers from manufacturer or supplier.
Keep containers tightly closed and upright when not in use.
Empty containers may contain residues.
Store in a well-ventilated place. Keep cool

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Common Name	CAS No.	EINECS	ACGHI-TLV 8-Hour TWA	OSHA-PEL 8-Hour TWA
Xylene isomers	1330-20-7	215-535-7	100 pp,	100 ppm
Ethylbenzene	100-41-4	202-849-4	100 ppm	100 ppm
Toluene	108-88-3	203-625-9	20 ppm	200 ppm
Quartz, Silica	14808-60-7	238-878-4	0.05 mg/m ³	0.1 mg/m ³ (Respirable)
Mineral Spirits, Stoddard Solvent	8052-41-3	232-489-3	100 ppm	500 ppm
Rule 66 Mineral Spirits, Naphtha	64742-88-7	265-191-7	100 ppm	500 ppm
Naphtha (Petroleum) hydrotreatedheavy	64742-48-9	265-150-3	Not est.	500 ppm
Kerosene; Naphtha (Petroleum) hydrodesulphurised heavy	64742-82-1	265-185-4	Not est.	Not est.
Naphtha (Petroleum) hydrotreatedlight	64742-49-0	265-151-9	Not est.	Not est.
N-Butanol	71-36-3	200-751-6	20 ppm	100 ppm
1-Methoxy-2-Propanol	107-98-2	203-539-1	50 ppm	Not est.
Zinc Chromate	11103-86-9	234-329-8	0.01 mg/m ³	0.1 mg/m ³
Zinc Oxide	1314-13-2	215-222-5	2 mg/m ³	5 mg/m ³ (Respirable)
Zinc Phosphate	7779-99-0	231-944-3	Not available	Not available
Cobalt Carboxylate	136-52-7	205-250-6	Not available	Not available
Methyl Ethyl Ketoxime	96-29-7	202-496-6	Not est.	Not est.

Personal Protection Equipment

Skin

Impervious clothing should be worn to eliminate possible skin contact and irritation. Such as chemical resistant coveralls or neoprene apron if appropriate. Impervious gloves such as rubber, neoprene or nitrile gloves should be worn.

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Respiratory	Use in a well-ventilated area or provide local exhaust or ventilation to reduce vapours build up. Use of an appropriate NIOSH/MSHA approved face piece respirator outfitted with organic vapour cartridges and paint spray (Dust / Mist) prefilters. For prolonged use in not-well ventilated areas.
Eyes	Chemical resistant safety goggles or glasses recommended especially for overhead work. Wear face shield to protect facial skin also.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Physical State and Appearance:	Liquid	Odour:	Slight
pH:	Not available	Colour:	Red (Yellow) ¹
Soluble / Insoluble:	Insoluble in water	Viscosity:	80 KU
Melting / Freezing Point:	Not available	Solubility:	Not available
Boiling / Condensation Point:	Not available	Critical Temperatures:	Not available
Specific Gravity:	1.26 – 1.46	Volatility:	Not available
Vapour Density:	Not available	- Vapour Pressure:	Not available
Evaporation Rate:	Not available		

1 Universal Metal Primer

SECTION 10: STABILITY AND REACTIVITY	
Stability and reactivity:	This product is stable under normal conditions. See Section 5 Fire Fighting Measures.
Conditions to avoid:	Elevated temperatures, contact with oxidising agents, sparks, freezing, open flame, extremes in temperature.
Materials to avoid:	Oxidisers, acids, nitric acid, hydrofluoric acid.

SECTION 11: TOXICOLOGICAL INFORMATION	
Possible Effects to Overexposure	<p>Inhalation:- Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, dizziness and/or light-headedness, headache, nausea, coughing, sneezing, central nervous system depression, kidney damage.</p>

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Skin contact:-	Irritation of skin. Prolonged or repeated contact can cause dermatitis, defatting. Possible sensitization to skin. Skin contact may result in dermal absorption of component(s) of this product which may cause headache, nausea, central nervous system depression.
Eye contact:-	Irritation of eyes. Prolonged or repeated contact may cause conjunctivitis, tearing of eyes, and redness of eyes.
Ingestion:-	Ingestion may cause dizziness and /or light headedness, headache, vomiting, gastro-intestinal disturbances, severe abdominal pain, apathy, central nervous system depression, respiratory problems, intoxication, kidney damage, pulmonary edema, loss of consciousness, acute poisoning, respiratory failure, cardiac failure, brain damage.
Supplemental Health Information:	No additional effects are anticipated besides those mentioned in Section 5 Fire Fighting Measures. This product has not been listed by IARC, OSHA, ACGIH, DSL, TSCA but contains ingredients which are toxic by ingestion, inhalation and through the skin. Chemicals in their non-reportable form could be encountered when stripping or release of by-products may build-up in the headspace of the containers.
Carcinogenicity	IARC has classified Quartz in its respirable form. Zinc chromate has been listed by the IARC as a carcinogen to humans. Rule 66 has been listed by the IARC as a carcinogen to humans. Ethylbenzene and cobalt containing compounds are listed as a possible human carcinogen by IARC.
Mutagenicity	Zinc Chromate is a known mutagen.

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SECTION 12: ECOLOGICAL INFORMATION

General Note:

There is no data available on the products but contains ingredients known to have toxic and very toxic effects to the environment and even with long lasting effects. Do not allow undiluted product or large quantities of products to reach ground water, water courses or sewage systems.

Contains Zinc Phosphate which is very toxic to aquatic organisms and will cause long-term adverse effects in aquatic environments, toxicity to fish.

Zinc Phosphate: LC50 - Oncorhynchus mykiss (rainbow trout) – 0.09 mg/l - 96,0 h

SECTION 13: DISPOSAL CONSIDERATION

Dispose of in accordance with all applicable regulations ensuring no contamination of surrounding environment.

SECTION 14: TRANSPORTATION INFORMATION

This product is to be shipped as consumer commodity packaging, but it is the responsibility of the shipper to ensure full compliance with the applicable regulations. This product is not controlled or regulated under DOT, IATA.

UN ID No.: 1263

DOT: Classification: 5L and less LTD. QTY. Larger containers; PAINT, 3, PG III

IATA: Classification: UN 1263, PAINT, 3 PG III

SECTION 15: REGULATORY INFORMATION

Products

As of the date of this SDS, this product was not being regulated or controlled. It also contains other hazardous ingredients below the required reportable limits

Product Components:

DSCL (EEC):	Quartz	Listed; R48/20
	Toluene	Listed; R11, R48/20, R63, R65
	Rule 66 Mineral Spirits	Listed; R10, R65, R66
	Zinc Oxide	Listed; R50/53
	Zinc Chromate	Listed; R20/22, R43, R45, R50/53
	Zinc Phosphate	Listed; R50/53
	Stoddard Solvent	Listed; R10, R51/53, R65, R66

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	Ethylbenzene	Listed; R11, R20
	Xylene isomers	Listed; R10, R27, R41, R37/38
	Methyl Ethyl Ketoxime	Listed; R21, R40, R41, R43
	Naphtha (Hydrodesulphurised)	Listed; R10, R38, R45, R46, R62, R63, R65, R67, R51/53
	Naphtha (Kerosene)	Listed; R10, R65, R66, R67
	N-Butanol	Listed; R20/22, R65
	1-Methoxy-2-Propanol	Listed; R10, R67
IARC: (refer to Section 11)	Rule 66 Mineral Spirits	Group 1 – Known carcinogen to humans
	Quartz	Group 1 – Known carcinogen to humans
	Zinc chromate	Group 1 – Known carcinogen to humans
	Ethylbenzene	Group 2 – Possible carcinogen to humans
	Cobalt carboxylate	Group 2 – Possible carcinogen to humans
	Xylene isomers	Group 2 – Possible carcinogen to humans
SARA Title III	Quartz	Immediate (Acute) Health and Delayed (Chronic) Health Hazards
Section 311/312:	Zinc Chromate	Immediate (Acute) Health and Delayed (Chronic) Health Hazards
	Stoddard Solvent	Immediate (Acute), Delayed (Chronic) Health Hazards and FireHazard
	Ethylbenzene	Immediate (Acute) Health, Delayed (Chronic) Health and FireHazard
	Xylene	Immediate (Acute) Health, Delayed (Chronic) Health and FireHazard
	Toluene	Immediate (Acute), Delayed (Chronic) Health Hazards and FireHazard
	Cobalt Carboxylate	Immediate (Acute), Delayed (Chronic) Health Hazards and Fire Hazard
	Rule 66 Mineral Spirits	Immediate (Acute), Delayed (Chronic) Health Hazards and FireHazard
	Naphtha (Kerosene)	Immediate (Acute), Delayed (Chronic) Health Hazards and FireHazard
	1-Methoxy-2-Propanol	Immediate (Acute), Delayed (Chronic) Health Hazards and FireHazard
Section 313:	Zinc Chromate	Listed
	Ethylbenzene	Listed
	Xylene isomers	Listed
	Stoddard Solvent	Listed

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	N-Butanol	Listed
	Cobalt Carboxylate	Listed
WHMIS:	Zinc Chromate	Class D, Div 2, Subdiv A: Material causing other effects (VERY TOXIC)

	Quartz	Class D, Div 2, Subdiv A: Material causing other effects (VERYTOXIC)
	Stoddard Solvent	Class D, Div 2, Subdiv B: Materials causing other toxic effects(TOXIC)
	Rule 66 Mineral Spirits	Class B, Div 3: Combustible Liquid Class B, Div 3: Combustible Liquid Class D, Div 2, Subdiv B: Material causing other toxic effects(TOXIC)
	Xylene isomers	Class B, Div 2: Flammable liquid
	Toluene	Class D, Div 2 Subdiv A: Material causing other effects (VERYTOXIC)
	Ethylbenzene	Class B, Div 2: Flammable Liquid Class D, Div 2, Subdiv A: Material causing other effects (VERYTOXIC)
	Naphtha (Kerosene)	Class D, Div 2, Subdiv B: Materials causing other toxic effects(TOXIC) Class B, Div 3: Combustible Liquid Class D, Div 2, Subdiv B: Material causing other toxic effects(TOXIC)
	N-Butanol	Class B, Div 2: Flammable Liquid Class D, Div 2, Subdiv B: Materials causing other toxic effects(TOXIC)
	1-Methoxy-2-Propanol	Class B, Div 2: Flammable Liquid Class D, Div 2, Subdiv A: Material causing other effects (VERYTOXIC) Class D, Div 2, Subdiv B: Materials causing other toxic effects(TOXIC)
DSL:	Stoddard Solvent	Listed
	Quartz	Listed
	Xylene isomers	Listed
	Rule 66 Mineral Spirits	Listed
	Cobalt Carboxylate	Listed
	Zinc Oxide	Listed
	Zinc Phosphate	Listed

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	N-Butanol	Listed
	1-Methoxy-2-Propanol	Listed
TSCA:	Stoddard Solvent	Listed
	Quartz	Listed
	Xylene isomer	Listed
	Rule 66 Mineral Spirits	Listed
	Zinc Oxide	Listed
	Cobalt Carboxylate	Listed
	Toluene	Listed
	Zinc Phosphate	Listed
	Naphtha (Kerosene)	Listed
	1-Methoxy-2-Propanol	Listed
	N-Butanol	Listed

SECTION 16: OTHER INFORMATION

Risk Phrase used in Section 15 above

R10: Flammable

R11: Highly flammable

R20: Harmful by inhalation

R20/22: Harmful by inhalation and if swallowed

R27: Very toxic in contact with skin

R41: Risk of serious damage to eyes

R37/38: Irritating to respiratory system and skin

R38: Irritating to skin

R43: May cause sensitization by skin contact

R45: May cause cancer

R46: May cause heritable genetic damage

R48/20: Harmful: danger of serious damage to health by exposure through inhalation.

R50/53: Very toxic to aquatic organisms; may cause long term adverse effects in the aquatic environment.

R51/53: Toxic to aquatic organisms; may cause long term adverse effects in the aquatic environment

R62: Possible risk of impaired fertility.

R63: Possible risk of harm to unborn child.

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R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

The information contained herein is based on data available at the time of preparation of this data sheet and which is believed to be reliable. However, it is the users' responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. This information is given in good faith, but no warranty, expressed or implied is made.