SAFETY DATA SHEET

This SDS is Classified to the 2012 OSHA Hazard Communication Standard 29 CFR 1920.1200.

SDS #: ARP-01-3
DATE PREPARED: 1/04/2020
REVISION DATE: 02/15/2024

SECTION 1: IDENTIFICATION

1.1 Identification
Product form : Mixture
Product name : IB Rust Primer

1.2 Use
Recommended use: Protection of construction materials on flat/low-sloped and steep-sloped roofs.
Restrictions on use: For exterior use only. Do not use it indoors. Adequate ventilation recommended.

1.3 Supplier
IB Roof Systems, Inc.
506 E. Dallas Rd Suite 300
Grapevine, Texas 76051
Information: 800-426-1626 • www.ibroof.com
Fax: 972-915-6802
Safety Data Sheet Competent Person: Technical@ibroof.com

1.4 Emergency telephone number
3E Emergency Response U.S. 855-280-2834
3E Emergency Response International 760-602-8703

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
GHS-US classification
Hazardous to the aquatic environment
Chronic Hazard: Category 3 – H412

2.2 GHS Label elements, including precautionary statements
GHS US labelling
Hazard statements (GHS US): P412 Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS US): P273 - Avoid release to the environment.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3 Other hazards which do not result in classification
No additional information available

2.4 Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures

Name	CAS No.	%
Sodium nitrate	7632-00-0	0-1
Trizinc diphosphate	7779-90-0	0-1
Zinc oxide	1314-13-2	0-1

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

First-aid measures general:	If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First-aid measures after inhalation:	IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing.
First-aid measures after skin contact:	IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes.
First-aid measures after eye contact:	IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
First-aid measures after ingestion:	IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

4.2 Most important symptoms and effects (acute and delayed)

Symptoms/effects:	Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation:	May cause respiratory irritation.
Symptoms/effects after skin contact:	May cause skin irritation.
Symptoms/effects after eye contact:	Direct contact with the eyes is likely to cause eye irritation.
Symptoms/effects after ingestion:	May cause gastrointestinal irritation.

4.3 Immediate medical attention and special treatment, if necessary

Treatment: No additional information available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Dry powder. Foam. Carbon dioxide. Water spray.
Unsuitable extinguishing media:	No data available.

5.2 Specific hazards arising from the chemical

Fire hazard:	Not flammable.
Explosion hazard:	Product is not explosive.
Reactivity:	No dangerous reactions known under normal conditions of use.

5.3 Special protective equipment and precautions for fire-fighters

Precautionary measures fire:	Eliminate all ignition sources if safe to do so.
Firefighting instructions:	Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Do not dispose of fire-fighting water in the environment.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection. Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
Other information:	No additional information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

General measures: Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.1.1 For non-emergency personnel

Protective equipment:	Wear Protective equipment as described in Section 8.
Emergency procedures:	Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2 Environmental precautions Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

For containment/cleaning up: SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed, thoroughly wet vacuum the area. Do not flush the sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Ventilate the area by natural means or by explosion-proof means (i.e., fans). Know and prepare for spill response before using or handling this product. Eliminate all ignition sources (flames, hot surfaces, portable heaters, and sources of electrical, static, or frictional sparks). Dike and contain spill with inert material (e.g., sand, earth). Transfer liquids to covered and labeled metal containers for recovery or disposal or remove with inert absorbent. Use only non-sparking tools and appropriate PPE. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

6.4 Reference to other sections

See Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. For professional use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Avoid contact with body. Handle in accordance with good industrial hygiene and safety procedures. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors and mist. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in original container. Keep container closed when not in use. Store in a dry, cool, and well-ventilated place.

Incompatible materials: No data available.

Storage Period: 6 Months

Storage Temperature: 15.6°C (60°F); 32.2°C (90°F)

Heat and ignition sources: No data available.

Special rules on packaging: Keep only in original container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Chemical Identity	Type	Exposure Limit Values
Sodium nitrate (7632-00-0)	ACGIH	OELs not established
	OSHA	OELs not established
Trizinc diphosphate (7779-90-0)	ACGIH	OELs not established
	OSHA	OELs not established
Zinc oxide (1314-13-2)	ACGIH OEL TWA	2 mg/m³ respirable particulate
	ACGIH OEL STEL	10 mg/m³ respirable particulate
	OSHA PEL TWA (1)	5 mg/m³ respirable fraction
	OSHA PEL STEL (1)	10 mg/m³ fume
	IDLH	500 mg/m³
	NIOSH REL TWA	5 mg/m³ dust and fume
	NIOSH REL STEL	10 mg/m³ fume
	NIOSH REL (Ceiling)	15 mg/m³ dust

8.2 Appropriate engineering controls

Appropriate engineering controls: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

8.3 Individual protection measures/Personal protective equipment

Personal protective equipment symbol(s):

Personal protective equipment:	Gloves. Protective goggles. If spraying, protect yourself with wearing suitable respirator or mask.
Materials for protective clothing:	Wear suitable protective clothing, gloves, and eye/face protection
Hand protection:	Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC, or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.
Eye protection:	Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.
Skin and body protection:	Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
Respiratory protection:	Use NIOSH (or other equivalent national standard) approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Viscous
Color:	Light Gray
Odor:	Slight ammonia smell
Odor threshold:	No data available
pH:	9.0 – 10.5
Melting point:	No data available
Freezing point:	No data available
Boiling point:	> 200 °F (93.3 °C)
Flash point:	No data available
Relative evaporation rate (n-butyl acetate=1):	No data available
Flammability (solid, gas):	No data available
Vapor pressure:	No data available
Relative vapor density at 20 °C:	> 1 (air = 1)
Relative density:	1.09
Density:	9.1 lb./gal ± 0.2
Solubility:	No data available
Partition coefficient n-octanol/water (Log Pow:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	Not applicable
Viscosity, dynamic:	No data available
Explosive limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2 Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No dangerous reactions known under normal conditions of use.
10.2 Chemical stability	Stable under recommended handling and storage conditions (see section 7).
10.3 Possibility of hazardous reactions	None under normal use.
10.4 Conditions to avoid	None under normal use.
10.5 Incompatible materials	None known.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified
Sodium nitrite (7632-00-0)	
LD 50 oral rat	85 mg/kg
LC50 inhalation rat	5.5 mg/l/4hr
Trizinc diphosphate (7779-90-0)	
LD50 oral rat	>5000 mg/kg
LC50 inhalation rat	>5700 mg/m^3
Zinc oxide (1314-13-2)	
LD50 oral rat	>5000 mg/kg
LD50 dermal rat	>2000 mg/kg
LC50 inhalation rat	>5700 mg/m^3/4hr
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified
Symptoms/effects:	Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation:	May cause respiratory irritation.
Symptoms/effects after skin contact:	May cause skin irritation.
Symptoms/effects after eye contact:	Direct contact with the eyes is likely to cause eye irritation.
Symptoms/effects after ingestion:	May cause gastrointestinal irritation.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology - general:	No information available.
Hazardous to the aquatic environment, short term (acute):	Toxic to aquatic life
Hazardous to the aquatic environment, long term (chronic):	Toxic to aquatic life with long lasting effects
12.2 Persistence and degradability	No additional information available
12.3 Bioaccumulative potential	No additional information available
12.4 Mobility in soil	No additional information available
12.5 Other adverse effects	No additional information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods

Waste treatment methods:	Do not discharge public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
Product/Packaging disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT

Transport document description	UN3082 Environmentally hazardous substances, liquid, n.o.s. (Trizinc diphosphate ; Zinc oxide ; Sodium nitrite), 9, III
UN-No. (DOT)	UN3082
Proper Shipping Name (DOT)	Environmentally hazardous substances, liquid, n.o.s.

	Trizinc diphosphate; Zinc oxide; Sodium nitrite
Class (DOT)	9 – Class 9 – Miscellaneous hazardous material 49 CFR 173.140
Packing group (DOT)	III – Minor Danger
Hazard labels (DOT)	9 – Class 9 (Miscellaneous dangerous materials)

Dangerous for the environment:	Yes
Marine pollutant:	Yes

DOT Quantity Limitations Passenger Aircraft/rail (49 CFR 173.27)	No limit
DOT Quantity Limitations Cargo aircraft Only (49 CFR 175.75)	No limit
DOT Vessel Stowage Location	A – The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	171
Other Information:	No supplementary information available

Transport by sea (IMDG)

Transport document description (IMDG)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Trizinc diphosphate ; Zinc oxide ; Sodium nitrite), 9, III
UN-No. (IMDG)	3082
Proper Shipping Name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class (IMDG)	9 – Miscellaneous dangerous substances and articles
Packing group (IMDG)	III – substances presenting low danger
Limited quantities (IMDG)	5 L
Marine pollutant	Yes

Air transport (IATA)

Transport document description (IATA)	UN 3082 Environmentally Hazardous Substance, Liquid, n.o.s. (Trizinc diphosphate ; Zinc oxide ; Sodium nitrite), 9, III
UN-No. (IATA)	3082
Proper Shipping Name (IATA)	Environmentally Hazardous Substance, Liquid, n.o.s.
Class (IATA)	9 – Miscellaneous dangerous substances and articles
Packing group (IATA)	III – Minor Danger

SECTION 15: REGULATORY INFORMATION

15.1 US Federal regulations

IB Rust Primer	
All chemical substances in this product are listed as “Active” in the EPA (Environmental Protection Agency) “TSCA Inventory Notification (Active Inactive) Requirements Rule” (“the Final Rule”) of Feb. 2019, as amended Feb. 2021, or are otherwise exempt or regulated by other agencies such as FDA or FIFRA	
SARA Section 311/312 Hazard Classes	None

15.2 International regulations

Ammonia (7664-41-7)	
Toxic Substance (CEPA – Schedule I)	Yes
Butyl cellosolve (111-76-2)	
Toxic Substance (CEPA – Schedule I)	Yes
Diethylene glycol monomethyl ether (111-77-3)	
Toxic Substance (CEPA – Schedule I)	Yes

15.3 US State regulations

⚠ **WARNING:** This product can expose you to Benzophenone, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Benzophenone (119- 61-9)	X					
Carbon black (1333-86-4)	X					
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1- dimethylurea (330-54-1)	X					
Titanium dioxide (13463-67-7)	X				Not available	

Component	State or local regulations
Ammonia (7664-41-7)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List: U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List: U.S. - Pennsylvania - RTK (Right to Know) List
Ammonium hydroxide (1336-21-6)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List: U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List: U.S. - Pennsylvania - RTK (Right to Know) List
Butyl cellosolve (111-76-2)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Butyl methacrylate (97-88-1)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
carbendazim (ISO); methyl benzimidazol-2-ylcarbamate (10605-21-7)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List: U.S. - Pennsylvania - RTK (Right to Know) List
Carbon black (1333-86-4)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
Diethylene glycol monomethyl ether (111-77-3)	U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List
Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)	U.S. - Massachusetts - Right To Know List
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea (330-54-1)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S. - Pennsylvania - RTK (Right to Know) List
Kaolin (1332-58-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Methacrylic acid (79-41-4)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Silica, amorphous (7631-86-9)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. – Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List
Sodium nitrite (7632-00-0)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Talc (14807-96-6)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Titanium dioxide (13463-67-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Zinc oxide (1314-13-2)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
2-(Dimethylamino)ethanol (108-01-0)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
3-Iodo-2-propynyl butylcarbamate (55406-53-6)	U.S. - New Jersey - Right to Know Hazardous Substance List

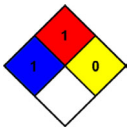
SECTION 16: OTHER INFORMATION

Issue Date:	1/04/2020
Revision Date:	11/01/2021; 2/15/2024
Version #:	ARP-01-03

NFPA health record: 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard: 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity: 0 - Material that in themselves are normally stable, even under fire conditions.

HMIS Hazard Rating:
Health: 1

Flammability: 1
Physical: 0



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