

SAFETY DATA SHEET

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Date Prepared: May 30th, 2015
Date Revised: May 2nd, 2017

Section 1. Identification

Product Name : One Step Metal Prep

Product Type : Liquid, Green color

Product description & Recommended Use : Water based Conversion coating, Rust/Heat scale remover, Rust inhibitor, Rust converter, Weld prep., Anti-spatter and a complete metal surface preparation/pre-treatment compound for ferrous & non-ferrous metal

Supplier MT Advantage, LLC
444 W Maple Rd, Suite D
Troy, MI 48084

Section 2. Hazards identification

This product is not classified as hazardous under OSHA Hazard Communications Standards (29 CFR 1910)

Section 3. Composition/Information on ingredients

Phosphoric Acid: CAS NO. 7664-38-2 ≤ 7%
OSHA Exposure limit: 1 mg / m³ (29 CFR 1910.1000 Table Z-1)

Proprietary chemicals: < 8%
Water CAS NO. 7732-18-5 > 85%

Note : Even there is a small amount of Phosphoric acid as an ingredient, the final product is water based, water soluble and non-hazardous in nature

Other ingredients are considered not hazardous as defined in **29 CFR 1910**

Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret is required

Section 4. First aid measures

EYE CONTACT : Immediately flush eyes with large quantities of water at least 15 minutes and get prompt medical attention.

SKIN CONTACT : Immediately wash with soap and water.

INHALATION : Remove patient to fresh air, use artificial respiration and get medical attention.

INGESTION : If patient is conscious and alert, give two or more glasses of water to drink. Do not induce vomiting, if vomiting occurs, give fluid again. Get medical attention.

Section 5. Fire-fighting measures

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: None

This product is non-flammable

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Section 6. Accidental release measures

May cause temporary mark on concrete floors etc. Any spillage on concrete should be neutralized immediately with large amount of water to avoid etching and discoloring. May damage cotton & synthetic clothing.

Methods of cleaning: For small spill, wash with large amount of water to the drain. Also see section 13 for large disposals.

LAND SPILL: Steps to be taken if material is released or spilled :Small spills can be handled routinely. It is recommended, the floor of the working area be covered by plastic sheets. The personnel involved in spill cleanup, should follow good industrial hygiene practices. If mist or vapor are generated, use adequate ventilation and wear respirator to prevent inhalation. Wear suitable protective clothing and eye protection to prevent contact with skin and eye.

Use the following procedure for cleanup : Neutralize the spill area with soda ash, Sodium Bi-carbonate or lime. Then flush the area with a large amount of water. Exercise caution during neutralization, as heat may be generated.

WATER SPILL : Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

CERCLA : If this product is accidentally spilled, it is not subjected to any special reporting under the requirement of the Comprehensive Response Compensation and Liability - at CERCLA

Section 7. Handling and storage

Container should be stored in a cool, dry and well-ventilated area, away from incompatible materials (see Section 10). Exercise caution to prevent damage to or leakage from the container. If the product freezes, put in warm place.

ELECTROSTATIC ACCUMULATION HAZARD	: None
STORAGE TEMPERATURE	: Ambient
LOADING/UNLOADING TEMP.	: Ambient

Section 8. Exposure controls/personal protection

PERSONAL PROTECTION : When handling this product, wear chemical goggles, protective clothing, chemical resistant gloves and footwear. Always wash thoroughly with soap and water after handling this product.

Do not ingest. Do not get in eyes, skin or clothing. Avoid breathing vapor or mist for a long time.

Where concentration in air may exceed the limits of engineering work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent over exposure by inhalation.

VENTILATION : Whenever this product is used in a confined space, proper ventilation should be used (use of mechanical dilution in ventilation is recommended).

COMPATIBLE MATERIALS : Stainless Steel, Fiberglass, High density Polyethylene, Polypropylene, Polycarbonate, PVC or any acid resistance material

Appropriate arrangements: Showers, eyewash stations, ventilation systems

Section 9. Physical and chemical properties

Flash Point	: Higher than 200°F (not regulated by OSHA)
Boiling point @ 760 mm Hg	: 275°F
Freezing point	: around -30°F
pH	: < 2 (See note below)
V.O.C.	: < 0.01 lbs/gal (not traceable)
Appearance and Odor	: Green, Lemon or Rosy smell
Water Solubility	: Highly soluble

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Note: Even the value of the pH is low, the chemical is non-hazardous in nature (see section 16). It is due to the special manufacturing process and technology, which keeps the pH very low, but has no significant effect on health while handling. However, according to the EPA it is considered as a hazardous waste when disposed, because of low pH. But because the process is continuous and there is no waste disposal involved, the question does not arise. Also, since One Step Metal Prep does not etch the metal surface, no heavy metal from the metal parts goes into the product's bath or the subsequent rinse water (in the finishing process). If for any reason the chemical itself has to be disposed, then the **disposal of the chemical should be done as a hazardous waste in accordance with local, state, and federal regulations.**

Section 10. Stability and reactivity

STABILITY : Stable

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY :

Caustics, Amines, Alkanolamines, Aldehydes, strong Oxidizing agents and Chlorinated compounds.

HAZARDOUS DECOMPOSITION PRODUCTS : None

Section 11. Toxicological information

EYE CONTACT : Irritating and will injure eye tissues if not removed promptly.

SKIN CONTACT : Frequent & prolonged contact may cause irritation.

INHALATION : Prolonged inhalation in high vapor concentration may cause headache & dizziness.

INGESTION : Minimum Toxicity, small amount of liquid aspirated into respiratory system during ingestion or vomiting, may cause some internal disorder.

CARCINOGENICITY : This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as a probable human Carcinogen (as per list) Part no. 1926 standard no. 1926.64 APPA and Part no. 1910 standard no. 1910.119 APPA

CHRONIC EFFECT : Data is not available or any adverse effect has not yet resulted.

Section 12. Ecological information

Ecotoxicity: The volume of ingredients used does not trigger toxicity

Aquatic: Not tested on finished product

Terrestrial: Not tested on finished product

Other Adverse Effects: No data available

ENVIRONMENTAL IMPACT : No ODS content.

Section 13. Disposal considerations

Dispose the chemical in accordance with local, state and federal regulations. Do not ingest. Do not get in eyes, skin or clothing. Avoid breathing vapor or mist for a long time.

When handling this product, wear chemical goggles, protective clothing, chemical resistant gloves and footwear. Always wash thoroughly with soap and water after handling this product.

COMPATIBLE MATERIALS : Stainless Steel, Fiberglass, High density Polyethylene, Polypropylene, Polycarbonate, PVC or any acid resistance material

Section 14. Transport information

Department of Transportation (DOT) : No special requirement or permission needed for shipping by ground transportation as per **49 CFR 173.154 (paragraph D). Transport in a heated carrier to avoid freezing.**

IATA – Not regulated **RoHs** – Contains no banned chemical listed in RoHs. **HS Code: 3810.10.0000**

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Section 15. Regulatory information

CARCINOGENICITY : This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as a probable human Carcinogen (as per list) Part no. 1926 standard no. 1926.64 APPA and Part no. 1910 standard no. 1910.119 APPA

CERCLA : If this product is accidentally spilled, it is not subjected to any special reporting under the requirement of the Comprehensive Response Compensation and Liability - at CERCLA

State Right To Know List: No ingredients listed
California Proposition 65: No ingredients listed

Section 16. Other information

Hazardous Material Information System (U.S.A.)

NPCA-HMIS	NFPA 704	KEY	
Health	1	1	4 = Severe
Flammability	0	0	3 = Serious
Reactivity	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

REVISION SUMMARY: The information herein is given in good faith. But no warranty express or implied is made. However, we recommend you to contact local authorities, to determine if there may be other local reporting requirements.

Date Prepared	Revision date	Revision date	Revision date
May 30, 2015	May 2, 2017		

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself/herself as to the suitability and completeness of such information for his/her own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer warranty against patent infringement.



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