

# SAFETY DATA SHEET

# RUST REMOVER

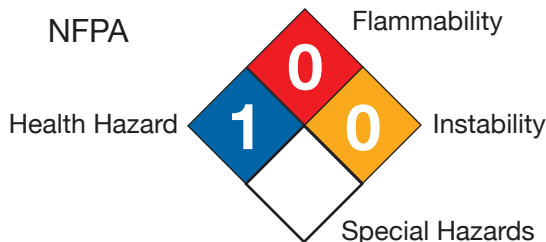
Last updated May 2018

## Product Identification

Product Name: Nanotech Coatings Graffiti Remover

### HMIS

Health		1
Flammability:		0
Physical Hazard:		0
Personal Protection:		



## Composition

Ingredient	Concentration	C.A.S. Number
Phosphonic Acid	<10%	13598-36-2
Hydroxyethanediphosphonic Acid	10-30%	2809-21-4
Water	remainder	7732-18-5
Surfactant	10-30%	Not Available

## Chemical and Physical Properties

<b>Vapor pressure:</b>	Not Available	<b>Vapor Density:</b>	Not Available
<b>Solubility in Water:</b>	Soluble	<b>Specific Gravity:</b>	Not Available
<b>Boiling Point:</b>	100° C (Approximately)	<b>Appearance:</b>	clear to opaque liquid
<b>Odor:</b>	Slight odor	<b>pH</b>	2 (Approximately)
<b>Flammability:</b>	Non Flammable	<b>Flash Point</b>	N/A
<b>Melting Point:</b>	Not Available	<b>Upper Explosion Limit</b>	N/A
<b>Volatiles</b>	70% (Approximately)	<b>Lower Explosion Limit</b>	N/A

## Stability & Reactivity

**Chemical Stability:** Stable under recommended conditions of storage.

**Possibility of hazardous reactions:** Polymerization is not expected to occur.

**Conditions to avoid:** Avoid heat, sparks, open flames and other ignition sources.

**Incompatible materials:** Incompatible with oxidising agents (eg. hypochlorites, peroxides) and alkalis (eg. hydroxides).

**Hazardous decomposition products:** May evolve phosphine, carbon dioxide and phosphorus oxides when heated to decomposition.



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## Spill or Leak Procedures

Dike area to prevent spreading. Cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

## Storage and Handling Procedures

**Storage:** Avoid storage over 100° F, contamination with incompatible materials. Keep containers tightly closed in a cool, dry well ventilated area. Keep away from food and incompatible substances. Check regularly for leaks or spills.

**Handling:** Wear Personal Protective Equipment (PPE). Provide good ventilation or extraction. Avoid prolonged or repeated breathing of vapor. Use safe work practices to avoid contact with eyes, skin and clothing. Prohibit eating, drinking and smoking in contaminated areas. Wash thoroughly after handling.

## Shipping Regulations

**DOT and IATA Hazard Classification:** Dangerous Goods.

**Proper DOT Shipping Name:** Corrosive Liquid, N.O.S.

**Identification Number:** DOT - None Allocated IATA - None Allocated

**Transportation:** None Allocated

**Packaging Group:** 3 **DG Class:** 8 **EPG:** 8A1 **UN:** 1760

## Emergency Treatment Procedures

**Eye Irritation:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water. Remove contaminated clothing and shoes. Do not use organic solvents for cleanup as they may dry or irritate the skin and act as a carrier for chemical absorption.

**Inhalation:** If aerosol or mists are formed, move to fresh air. Call a physician immediately if breathing difficulties occur: keep patient half sitting with upper body raised.

**Ingestion:** If accidentally swallowed, rinse mouth thoroughly with water and, afterwards, drink plenty of water. In case of discomfort, obtain medical attention. Notes to physician if substance has been swallowed: early endoscopy in order to assess mucosa lesions in the esophagus and stomach which may appear. If necessary, aspirate leftover substance.

## Personal Protection

**Respiratory:** Positive fresh air exhaust should be provided in the work area. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use.

**Skin:** Avoid skin contact. Wear butyl-rubber gloves and impervious protective clothing.

**Eyes:** Do not wear contact lenses. Chemical safety goggles or splash shields are recommended.

## Health Hazard Data

**Potential Routes of Entry:** Skin, eyes, inhalation.

**Symptoms of Overexposure:** Possible skin and eye irritation on contact. Inhalation of vapors in an unventilated area may, over time, induce headaches or dizziness.

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## Exposure Limits

Ingredient	Oral Toxicity (LD50)	Dermal Toxicity (LD50)	Inhalation Toxicity (LC50)
Phosphonic Acid	1700 mg/kg (mouse)	--	--
Hydroxyethanediphosphonic Acid	1800 mg/kg (mouse)	--	--

## Regulatory Information

**Sara Listed Ingredients:** Phosphonic Acid, Hydroxyethanediphosphonic Acid  
**TSCA Inventory:** All components are listed on the TSCA inventory, or are exempt.

### STATE RIGHT-TO-KNOW CALIFORNIA Proposition 65

This product does not contain materials which the State of California has found to cause cancer, birth defects, or other reproductive harm.

### OTHER REGULATORY INFORMATION:

\*\* NONE \*\*

### ABBREVIATIONS:

ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
TLV	Threshold Limit Value
PEL	Permissible Exposure Limit
NTP	National Testing Program
IARC	International Agency for Research on Cancer
NFPA	National Fire Protection Association
HMIS	Hazardous Materials Identification System
--	No Data / Not Available
N.A.	Not Applicable

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## DISPOSAL

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## IMPORTANT LIABILITY DISCLAIMER

The information contained in this Material Safety Data Sheet (MSDS) is believed to be correct as it was obtained from sources we believe are reliable. However, no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at his sole discretion. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user, and the user has the responsibility to provide a safe work place, to examine all aspects of its operation and to determine if or where precautions, in addition to those described herein, are required.