

SAFETY DATA SHEET

GRAFFITI REMOVER

Last updated May 2018

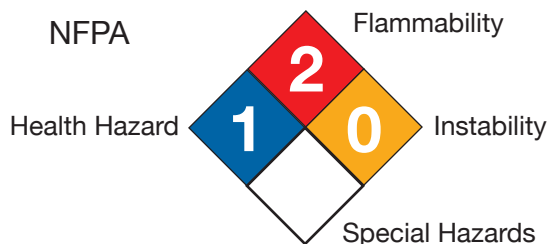
Product Identification

Product Name: Nanotech Coatings Graffiti Remover

HMIS

Health		1
Flammability:		2
Physical Hazard:		0
Personal Protection:		

NFPA



Composition

Ingredient	Concentration	C.A.S. Number
1-Methyl-2-Pyrrolidinone	30-60%	872-50-4
D-Limonene	10-30%	5989-27-5
Additives	<10%	Not Available
Surfactant	<10%	Not Available

Chemical and Physical Properties

Vapor pressure:	Not Available	Vapor Density:	>1 (Air = 1)
Solubility in Water:	Soluble	Specific Gravity:	1.0
Boiling Point:	>350.6° F (Approximately)	Appearance:	clear to opaque liquid
Odor:	Orange & Mild Amine-like Odor	pH	7.0 to 7.5
Flammability:	Class C1 Combustible	Flash Point	>141.8° F
Melting Point:	Not Available	Upper Explosion Limit	9.5% (n-Methyl-2-pyrrolidone)
Autoignition Temperature:	Not Available	Lower Explosion Limit	0.7% (d-Limonene)

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 oxidizing agents (e.g. hypochlorites) acids (e.g. sulphuric acid), alkalis (eg. hydroxides), heat and ignition sources. This product is hygroscopic (readily absorbs moisture in any form).

Hazardous decomposition products: May evolve toxic gases if heated to decomposition (carbon/nitrogen oxides, hydrocarbons).



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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. Store as a Class C1 Combustible Liquid.

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: Not regulated

Proper DOT Shipping Name: None Allocated

Identification Number: DOT - None Allocated IATA - None Allocated

Transportation: None Allocated

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. High levels may cause pulmonary oedema.

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)
1-Methyl-2-pyrrolidone	75ppm (309 mg/m ³)	--	--

Regulatory Information

Sara Listed Ingredients: 1-Methyl-2-Pyrrolidinone (Sara 313) (CAS No 872-50-4)

TSCA Inventory: All components are listed on the TSCA inventory, or are exempt.

STATE RIGHT-TO-KNOW

CALIFORNIA Proposition 65

WARNING: This product contains a chemical known to the state of California to cause cancer. This product contains 1-methyl-2-pyrrolidinone that has been listed pursuant to Proposition 65, California Health & Safety Code. Employers may have obligation to warn their employees and other on their premises of potential exposure to Proposition 65 listed substances.

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.