

MATERIAL SAFETY DATA SHEET

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IDENTITY	Original Formula Novel [®] Laundry Rust Remover
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SECTION I

MANUFACTURER: NOVEL TECHNOLOGY LABS 1050 HARRISON AVENUE P.O. BOX 207 KEARNY, NJ 07032	EMERGENCY TELEPHONE NUMBER	800-424-9300 or 703-527-3887
	TELEPHONE NUMBER FOR INFORMATION:	201-997-3300
	DATE PREPARED:	November 15, 2003

SECTION II - IMPORTANT INGREDIENTS / IDENTITY INFORMATION

IMPORTANT COMPONENTS	CHEMICAL IDENTITY	CAS #	%	TLV
WATER	H ₂ O	7732-18-5		
HYDROFLUORIC ACID*	HF	7664-39-3	12% approx.	3.0 ppm ACGIH
AMMONIUM BIFLUORIDE	NH ₄ HF ₂	1341-49-7	16% approx.	2.4Mg/M3

* Subject to SARA, Title III, Section 313 and 40 CFR 372.

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT	ND	SPECIFIC GRAVITY (H₂O=1)	1.1 approx
VAPOR PRESSURE (mm Hg)	ND	MELTING POINT	NA
VAPOR DENSITY (air =1)	ND	EVAPORATION RATE (butyl acetate =1)	ND
SOLUBILITY IN WATER	100%		
APPEARANCE AND ODER	colorless liquid, sharp odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT NA (method used)	FLAMMABLE LIMITS NA
EXTINGUISHING MEDIA water or carbon dioxide "CO ₂ " for fires in area	
SPECIAL FIRE FIGHTING PROCEDURES NA	
UNUSUAL FIRE AND EXPLOSION HAZARDS NA	

SECTION V - REACTIVITY DATA

STABILITY stable	CONDITIONS TO AVOID Avoid contact with strong alkalis, metals or high temperature.
INCOMPATIBILITY (MATERIALS TO AVOID) strong alkalis, metals or other material	
HAZARDOUS DECOMPOSITION PRODUCTS With metals can release potentially dangerous hydrogen gas. At decomposition emits highly corrosive fluoride fumes.	
HAZARDOUS POLYMERIZATION will not occur	

See Page 2 for more information

SECTION VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

- EYES:** May cause permanent damage
- SKIN:** May cause sever burns which may not be immediately painful or visible, and may penetrate skin and damage underlying tissue.
- INGESTION:** May cause throat burns and severe swelling restricting breathing.
- INHALATION:** Concentration of "F" vapors of 2Mg/M³ or more may cause damage to lungs, respiratory system and pulmonary edema.

FIRST AID

- In each case of overexposure, after first aid treatment, see a physician as soon as possible thereafter.
- EYES:** Flush immediately with large quantities of clean cool water for at least 15 minutes. (Hold eyelids apart if necessary.)
 - SKIN:** Flush immediately with large quantities of water. (Shower if available.) Remove contaminated clothing.
 - INGESTION:** See a physician as soon as possible.
 - INHALATION:** Immediately remove victim from source of exposure.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Cover area with sodium bicarbonate to neutralize acid. Scoop up and dispose of as below.

WASTE DISPOSAL METHOD:

Dispose of in accordance with federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not get in eyes on skin or on clothing. Do not breathe vapor. Wash thoroughly after handling.

OTHER PRECAUTIONS

Do not use if pregnant.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION

Above 20 ppm of "F" wear OSHA permissible gas mask or cartridge.

VENTILATION

local exhaust

PROTECTIVE GLOVES

PVC or neoprene

EYE PROTECTION

chemical splash goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

rubber apron

WORK/HYGIENIC PRACTICES

Wash thoroughly after handling. Do not smoke, eat or drink in work area.

NA = Not Applicable
ND = Not Determined

See Page 1 for more information