

MATERIAL SAFETY DATA SHEET

SECTION I-MATERIAL IDENTIFICATION & USE

Material:
Name/Identifier (Trade Name and Synonyms): NOVUS Plastic Polish No. 2

Manufacturer's Name:
NOVUS Incorporated

Supplier Data, if known:

Street Address:
10425 Hampshire Avenue South

City, State/Province:
Minneapolis, MN

Postal Code:
55438

Emergency Telephone No.:
(612) 944-8000

Chemical Name:
Not Applicable-Mixture

Chemical Family:
Not Applicable-Mixture

Chemical Formula:
Not Available

Molecular Weight:
Not Available

HMIS RATINGS

1	1
Health	Flammability
0	*
Reactivity	Pers. Protect

* See Section VII (NOTE: selection of PPE should be based upon specific conditions of material usage together with the information contained herein.)

Material Use: Product used to clean and restore plastic surfaces.

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredient Name	% By Weight	CAS, NA or UN #	"Exposure limits"	LD ₅₀ /LC ₅₀ (Route and Species)**
Odorless mineral spirits	5-15	*CAS# 68551-17-7	Not Est. (1); 400 PPM (2)	Not Available
Silica, amorphous, diatomaceous earth (uncalcined)	5-10	CAS# 68855-54-9	10 MG/M3 (1); 6mg/m3 (2)	Not Available
Morpholine (skin)	1-5	CAS# 110-91-8	20 PPM (1,2); 30 PPM (3*,4)	LD50 (Skin, Rabbit): 500 mg/kg LD50 (Rat): 1050 mg/kg LC50 (Inh., Rat): 8000 ppm/8Hr LD50 (Rat): 74 g/kg
Oleic acid	1-5	CAS# 112-80-1	Not Established (1,2)	

*Assigned by (API) American Petroleum Inst. *The STEL is on the ACGIH notice of intended changes to be deleted.

NOTES: (1)=ACGIH TLV (TWA); (2)=OSHA PEL (TWA); (3)=ACGIH STEL; (4)=OSHA STEL; (5)=Mfr/Supplier TLV; c=Ceiling value

SECTION III-PHYSICAL DATA FOR MATERIAL

{**LD50 values are via oral route unless otherwise indicated}

Physical state: Gas Liquid Solid [] [x] []	Appearance & Odor: Tan, opaque liquid; Slight solvent odor	Odor Threshold: (ppm) Not Available	Specific Gravity: 1.01	Vapor Pressure(mmHg): <75	% Volatile: 76
Vapor Density: (Air = 1) Not Established	Evaporation Rate (Ether =1): <1	Boiling pt.(C): 80	Freezing pt.(C): Not Available	Solubility in Water: Appreciable	pH: Not Available
Density (g/ml): 1.01	Coefficient of water/oil distribution: Not Available	Additional Data, if any: Not Available			

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammable? If yes, under what conditions:

Yes No

Explosion Data (Sensitivity to Mechanical Impact):

Not Available

Method of Extinction: Carbon dioxide, dry chemical or foam.

Special Procedures: Use water spray or fog to cool fire-exposed containers.

Flashpoint (C) & Method: >93 (CC)	Upper explosion limit (%): Not Established	Lower explosion limit (%): Not Established	Autoignition Temp. (C): Not Available	Rate of Burning: Not Available
TDG Flammability Class.: Not Applicable: FP >93	Explosive Powder? No	Haz. Combustion Products: CO, CO2	Sensitivity in Static Discharge: No	

SECTION V-REACTIVITY DATA

Chemical Stability:
If no, under what conditions?:

Yes No

Incompatibility to other substances:
If so, which ones?:
Strong oxidizers

Yes No

Reactivity and under which conditions:
Product is not considered highly reactive.

Hazardous Decomposition Products:
Carbon monoxide, Carbon dioxide

SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

Routes of Entry: Skin Contact Skin Absorption Eye Contact Inhalation Acute Inhalation Chronic Ingestion

Effects of Acute Overexposure to Product: May cause respiratory irritation. Exposure to high concentrations may cause headache, dizziness and nausea. Eye contact may cause burning and irritation. Skin absorption is a possible route of entry.

Effects of Chronic Overexposure to Product: Prolonged or repeated skin contact may lead to drying, irritation and dermatitis.

Medical Conditions Aggravated by Exposure to Product: None known.

LD50 of Product (Species and Route):
Not Available (See Section II)

Irritancy of Product: Mild
(Respiratory/eyes/skin)

Exposure Limits of Product:
Not Applicable, See Section II

LC50 of Product (Species):
Not Available (See Section II)

Sensitization to Product:
None reported or anticipated

Synergistic Materials:
None known

Carcinogenicity (if checked, specify source:) Reproductive effects Teratogenicity Mutagenicity

SECTION VII-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT-

Gloves/Clothing (specify): Wear neoprene or other chemical-resistant gloves and apron or coveralls to prevent repeated or prolonged skin contact.

Respiratory Protection (specify): Not normally required. If TLV or PEL is exceeded, or for symptoms of over-exposure, wear a NIOSH-approved organic vapor respirator.

Eye Protection (specify): If potential for eye contact exists, wear chemical goggles.

Other Protective Equipment, if Any: Eye wash and safety shower should be available.

Engineering Controls (specify): Local exhaust may be necessary under some usage/ handling conditions. Specific needs should be addressed by health/safety personnel.

Leak/Spill Procedures: Wear personal protective equipment. Clean up with absorbant material.

Waste Disposal: Dispose of in accordance with Local, State/Provincial or Federal regulations.

Handling Procedures/Equipment and Storage Requirements: Store in a closed container. Avoid extreme heat.

Special Shipping Information: Not Applicable.

SARA Section 313 Supplier Notification* : This product contains the following chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR 372:

CAS #	Chemical Name	Percent by Weight
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-None known-

*This information must be included on all Material Safety Data Sheets copied and distributed for this material.

SECTION VIII-FIRST AID MEASURES

Inhalation: Move victim to fresh air and treat symptomatically. Seek medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical attention if irritation persists.

Eyes: Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Seek medical attention if irritation persists.

Ingestion: Contact local poison control center or physician IMMEDIATELY!

General Advice/Special Notes to Physician: None known.

SECTION IX-PREPARATION DATE OF M.S.D.S.

Additional Information/Comments: This Material Safety Data Sheet is offered solely for your information, consideration and investigation. NOVUS provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained therein. "NOVUS" expressly disclaims any liability which may be incurred in using the information contained herein."

This product does not contain any carcinogens (at 0.1% or greater) as defined by IARC, NTP or OSHA.

Sources Used: "Registry of Toxic Effects of Chemical Substances", 1985-86;
Sax and Lewis, "Dangerous Properties of Industrial Materials", Seventh Edition, 1989; and Suppliers' MSDS.

Prepared by: Marian B. Mehre, Industrial Hygienist

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NOVUS Inc. Chemistry Dept.