Material Safety Data Sheet

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Trade Name: NOVUS PLASTIC POLISH #2 **Manufacturer:** NOVUS INC

MSDS Code: 7011 **MSDS Date:** 3/6/2002 **Type of Chemical:**

Notes:
MATERIAL SAFETY DATA SHEET

NOVUS Inc.
10425 Hampshire Avenue South
Minneapolis, MN 55438

Medical Emergencies (800) 228-5635 ext 334
Transportation Emergencies: (800) 424-9300
(Outside U.S. call (703) 527-3887 collect)
Business Phone # (952) 944-8000

SECTION 1 PRODUCT IDENTIFICATION AND USE

Product Name(s): Novus Plastic Polish #2 (P/N 7030, 7032, 7033, & 7072)
Novus I.D. Number: 7011
Chemical Name: NA
Product Use: Clean and restore plastic surfaces

SECTION 2 HAZARDOUS INGREDIENTS

Ingredient % by weight CAS# Exposure Limit LD50 (route&species) LC50 (species)

Odorless Mineral Spirits 7-13 64742-48-9 400 ppm (5) NE NE

Silica, Amorphous,Diatomaceous Earth 1-5 61790-53-2 10 mg/m3 (1) NE NE
3-7 68855-54-9 3 mg/m3 respirable (1) NE NE

Crystalline Silicas 0-4.3 14808-60-7 .05 mg/m3 (2) NE LCLo (inhl-human)
14464-46-1 respirable fraction 300mg/m3/10years intermittent

Morpholine 1-5 110-91-8 20 ppm (1,2) Rat: 1050 mg/kg Rat: 12,000 ppm
30 ppm (3,4) Rabbit: skin: 500 mg/kg (8 Hr.)

Oleic Acid 1-5 112-80-1 NE Rat: 20 ml/kg NE

Non-hazardous Water 60-70 7732-18-5

Notes:
(1) ACGIH TLV (TWA) (2) OSHA PEL (TWA) (3) ACGIH STEL (4) OSHA STEL (5) MFR/SUPPLIER TLV
LD 50 VALUES ARE VIA ORAL ROUTE UNLESS OTHERWISE INDICATED
** TOXIC CHEMICAL REPORATBLE PER SECTION 313, TITLE III SARA AND 40 CFR372

SECTION 3 PHYSICAL DATA

Physical State: Liquid Appearance: Tan opaque liquid Odor: Slight solvent odor
Vapor Pressure (mmHg): <75 % Volatile: <20 Vapor Density (Air=1): NE
Evaporation Rate (BuAc=1): <1 Boiling Point (deg C): 80 Freezing Point (deg C): NE
pH: NE Density (g/ml): 1.01 Solubility in Water: Appreciable

SECTION 4 FIRE AND EXPLOSION DATA

Flammability: No
NFPA Rating: 110
Extinguishing Media: Carbon Dioxide, Dry Chemical, or Foam
Special Fire Fighting Procedures: Use water spray or fog to cool fire exposed containers.
Flash Point (PMCC) deg F: > 200
Upper Flammability Limit (% by volume): NE
Lower Flammability Limit (% by volume): NE
Autoignition Temperature (deg C): NE
Hazardous Combustion Products: Carbon Dioxide, and Carbon Monoxide
EXPLOSION DATA
Sensitivity to Impact: NE
Sensitivity to Static Discharge: No

SECTION 5 REACTIVITY DATA

Chemical Stability: Yes
Incompatibility with other substances: Yes, If yes, which ones: Strong oxidizers
Reactivity, and under which conditions: Product is not considered highly reactive
Hazardous decomposition Products: Carbon Dioxide, and Carbon Monoxide.

NA - not applicable Un - unavailable NE - not established

SECTION 6 TOXICOLOGICAL PROPERTIES

Route of Entry: Skin Contact: X Skin Absorption: X Eye Contact: X Inhalation: X Ingestion: X

Effects of Acute Exposure to Product:
May cause respiratory irritation. Exposure to high concentrations may cause headache, dizziness, and nausea. Eye contact may cause burning and irritation. Skin contact is a possible route of entrty. Also, see information on cryst6alline silica (next entry).

Effects Of Chronic Exposure to Product:
Prolonged or repeated skin contact may lead to drying, irritation and dermatitis. This product may contain crystalline silica, which is known to cause cancer by inhalation. If this product is used with mechanical polishing, dusts may be created that can be chronic inhalation hazard. See section 7 for measures to prevent exposure.

Exposure Limits: See section 2. Irritancy of Product: Mild; Eyes, skin, and respiratory
Sensitization to Product: NE Carcinogenicity: see note below under "Other Information"
Teratogenicity: NE Reproductive Toxicity: NE
Mutagencity: NE Synergistic Products: NE

SECTION 7 PREVENTIVE MEASURES PERSONAL PROTECTIVE EQUIPMENT

CLOTHING:
Wear chemical resistant gloves and clothing as needed to prevent skin contact

RESPIRATORY:
If TLV or PEL is exceeded, wear a NIOSH approved respirator for organic vapors. For mechanical polishing, wear dust mask.

EYE:
Wear chemical safety goggles

OTHER:
If possible, eye wash and safety shower should be available.

ENGINEERING CONTROLS:

Local exhaust may be necessary under some useage/handling conditions. Specific needs should be addressed by health/safety personnel.

LEAK/SPILL:
Wear personal protective equipment. Remove heat and ignition sources, ventilate area, clean up with an inert absorbent.

WASTE DISPOSAL:
Waste may be burned in an approved incinerator or disposed of according to local, state, provincial, and federal regulations.

HANDLING PROCEDURES/EQUIPMENT AND STORAGE REQUIREMENTS:
Store in closed container in cool, dry location, away from direct sunlight or sources of intense heat.

SPECIAL SHIPING INFORMATION:
KEEP FROM FREEZING

HMIS RATING:
110B

OTHER INFORMATION:
Diatomaceous Earths may contain crystalline silica, which is considered carcinogenic by inhalation (IARC, NTP, California). However, with hand application respirable dusts are not created. Use of mechanical polishing may necessitate respiratory PPE to limit exposure.

SECTION 8 FIRST AID MEASURES

SYMPTOMS/EFFECTS OF OVEREXPOSURE:
Respiratory irritation. High concentrations may cause headache, dizziness, and nausea. Prolonged or repeated expsoure may lead to skin irritation and dermatitis. Eye contact is irritating and may cause damage.

EYES:
Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Get prompt medical attention.

SKIN;
Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists.

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

INGESTION:
Contact local poison control center or physician IMMEDIATELY!

SECTION 9 MSDS PREPARATION INFORMATION

THIS MATERIAL SAFETY DATA SHEET IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANLDING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTENT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

Prepared By : Novus Inc. Chemistry Department
Date: 3-06-02