

# MATERIAL SAFETY DATA SHEET



**NOVUS Inc.**  
12800 Highway 13 South, Suite 500  
Savage, MN 55378

Medical Emergencies (800) 228-5635 x334  
Transportation Emergencies (800) 424-9300  
Outside U.S. call (703) 527-3887 collect  
Business Phone (952) 944-8000

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

<b>PRODUCT NAME(S):</b> NOVUS Plastic Polish #2 (P/N 7030, 7032, 7033, & 7072)	<b>NOVUS I.D. NUMBER:</b> 7011
<b>CHEMICAL NAME:</b> NA	<b>PRODUCT USE:</b> Clean and restore plastic surfaces.

## SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	% BY WEIGHT	CAS #	EXPOSURE LIMITS	LD50 (SPECIES & ROUTE)	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/m <sup>3</sup> (1)	NE	NE
	3 - 7	68855-54-9	3 mg/m <sup>3</sup> respirable (1)	NE	NE
Crystalline Silicas	0 - 4.3	14808-60-7	.05 mg/m <sup>3</sup> (2) respirable fraction	NE	LCLo (inh-human) 300mg/m <sup>3</sup> /10 years intermittent
		14464-46-1			
Morpholine	1-5	110-91-8	20 ppm (1,2) 30 ppm (3,4)	Rat: 1050 mg/kg Rabbit, skin: 500 mg/kg	Rat: 12,000 ppm (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

## SECTION 3 - PHYSICAL DATA

<b>PHYSICAL STATE:</b> Liquid	<b>APPEARANCE:</b> Tan opaque liquid	<b>ODOR:</b> Slight solvent odor
<b>VAPOR PRESSURE (mmHg):</b> <75	<b>% VOLATILE:</b> < 20	<b>VAPOR DENSITY (AIR=1):</b> NE
<b>EVAPORATION RATE (BuAc=1):</b> < 1	<b>BOILING POINT (deg C):</b> 80	<b>FREEZING POINT (deg C):</b> NE
<b>pH:</b> NE	<b>DENSITY (g/ml):</b> 1.01	<b>SOLUBILITY IN WATER:</b> Appreciable

## SECTION 4 - FIRE AND EXPLOSION DATA

<b>FLAMMABILITY</b> IF YES, UNDER WHICH CONDITIONS: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	<b>NFPA Rating:</b> 1 1 0
<b>EXTINGUISHING MEDIA:</b> Carbon Dioxide, Dry Chemical, or Foam.	
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Use water spray or fog to cool fire exposed containers.	
<b>FLASH POINT (PMCC) deg F:</b> >200	<b>UPPER FLAMMABILITY LIMIT (% BY VOLUME):</b> NE
	<b>LOWER FLAMMABILITY LIMIT (% BY VOLUME):</b> NE
<b>AUTOIGNITION TEMPERATURE (deg C):</b> NE	<b>HAZARDOUS COMBUSTION PRODUCTS:</b> Carbon Dioxide and Carbon Monoxide.
<b>EXPLOSION SENSITIVITY TO IMPACT DATA:</b> NE	<b>SENSITIVITY TO STATIC DISCHARGE:</b> No

## SECTION 5 - REACTIVITY DATA

<b>CHEMICAL STABILITY:</b> IF NO, UNDER WHICH CONDITIONS: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
<b>INCOMPATIBILITY WITH OTHER SUBSTANCES:</b> IF SO, WHICH ONES? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> Strong oxidizers.
<b>REACTIVITY, AND UNDER WHICH CONDITIONS?</b> Product is not considered highly reactive.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Carbon Dioxide and Carbon Monoxide.



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## SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN CONTACT  SKIN ABSORPTION  EYE CONTACT  INHALATION  INGESTION

### 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 entry. Also, see information on crystalline 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 a 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

#### MUTAGENICITY:

NE

#### SYNERGISTIC PRODUCTS:

NE

## SECTION 7 - PREVENTIVE MEASURES

### PERSONAL PROTECTIVE EQUIPMENT

#### CLOTHING (SPECIFY):

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

#### RESPIRATORY (SPECIFY):

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

#### EYE (SPECIFY):

Wear chemical safety goggles.

#### OTHER (SPECIFY):

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

#### ENGINEERING CONTROLS (SPECIFY):

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

#### LEAK/SPILL PROCEDURE:

Wear personal protective equipment. Remove heat and ignition sources, ventilate area, clean up with inert absorbant.

#### 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 SHIPPING INFORMATION:

KEEP FROM FREEZING  
NOT REGULATED BY D.O.T.

#### OTHER INFORMATION:

HMIS Rating: 1 1 0 B  
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 exposure 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 HANDLING 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:

6-22-04