

# MATERIAL SAFETY DATA SHEET

**NOVUS** NOVUS Inc.  
PLASTIC POLISH  
 10425 Hampshire Avenue South  
 Minneapolis, MN 55438  
 Emergency phone # (612) 944-8000

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

<b>PRODUCT NAME(S):</b>	NOVUS Plastic Polish No. 1	<b>NOVUS I.D. NUMBER:</b>	7010
<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)
Isopropyl Alcohol	1-5	67-63-0	400 ppm (1,2) 500 ppm (3,4)	NE	NE

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 REPORTABLE PER SECTION 313, TITLE III SARA AND 40 CFR372.

## SECTION 3 - PHYSICAL DATA

<b>PHYSICAL STATE:</b>	Liquid	<b>APPEARANCE:</b>	White opaque liquid	<b>ODOR:</b>	Slight odor
<b>VAPOR PRESSURE (mmHg)</b>	33	<b>% VOLATILE:</b>	94	<b>VAPOR DENSITY (AIR = 1):</b>	NE
<b>EVAPORATION RATE (BuAc = 1):</b>	1	<b>BOILING POINT (°C):</b>	99	<b>FREEZING POINT (°C):</b>	NE
<b>PH:</b>	NE	<b>DENSITY (GR/ML):</b>	1.006	<b>SOLUBILITY IN WATER:</b>	Complete

## SECTION 4 - FIRE AND EXPLOSION DATA

<b>FLAMMABILITY</b>	IF YES, UNDER WHICH CONDITIONS: Combustible - Keep away from heat, open flame, and other sources of ignition.	
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
<b>EXTINGUISHING MEDIA:</b> Use media suitable for surrounding materials.		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> No special procedures required.		
<b>FLASH POINT (PMCC) deg F:</b>	199.4	<b>UPPER FLAMMABILITY LIMIT (% BY VOLUME):</b> NE
		<b>LOWER FLAMMABILITY LIMIT (% BY VOLUME):</b> NE
<b>AUTOIGNITION TEMPERATURE (°C):</b>	NE	<b>HAZARDOUS COMBUSTION PRODUCTS:</b> Carbon Dioxide, Carbon Monoxide.
<b>EXPLOSION SENSITIVITY TO IMPACT: DATA</b>	NE	<b>SENSITIVITY TO STATIC DISCHARGE:</b> NE

## 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> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF SO, WHICH ONES? 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

PRODUCT NAME(S): NOVUS Plastic Polish No. 1

## SECTION 6 - TOXICOLOGICAL PROPERTIES

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

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: May be mildly irritating to the eyes, nose, and throat. May cause mild skin irritation in certain individuals.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Prolonged inhalation of mist may cause mild respiratory irritation.

EXPOSURE LIMITS: See section 2	IRRITANCY OF PRODUCT: Mild (Eyes, skin, and respiratory)	SENSITIZATION TO PRODUCT: None reported or anticipated	CARCINOGENICITY: NE
TERATOGENICITY: NE	REPRODUCTIVE TOXICITY: NE	MUTAGENICITY: NE	SYNERGISTIC PRODUCTS: NE

## SECTION 7 - PREVENTIVE MEASURES

### PERSONAL PROTECTIVE EQUIPMENT

**CLOTHING (SPECIFY):** Not normally required, however in situations of extended skin contact, neoprene or other chemical resistant gloves are recommended.

**RESPIRATORY (SPECIFY):** Not normally required. For symptoms of overexposure, wear a NIOSH-approved respirator for organic vapors.

**EYE (SPECIFY):** Not normally required, however the use of safety glasses is recommended.

**OTHER (SPECIFY):** If possible, 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 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:** Combustible liquid. Store in closed container in cool, well ventilated area.

### SPECIAL SHIPPING INFORMATION:

TDG - Combustible liquid, n.o.s., NA1993

WHIMS - Combustible liquid, Class B, Div. 3

## SECTION 8 - FIRST AID MEASURES

**SYMPTOMS / EFFECTS OF OVEREXPOSURE:** Respiratory irritation. High concentrations may cause headache, dizziness, and nausea. Repeated or prolonged exposure may lead to skin irritation and dermatitis. Eye contact may be 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: 8-3-93

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 10425 Hampshire Avenue South  
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## SECTION 1 - PRODUCT IDENTIFICATION AND USE

**PRODUCT NAME(S):** NOVUS Plastic Polish No. 2 **NOVUS LD. NUMBER:** 7011

**CHEMICAL NAME:** NA **PRODUCT USE:** 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	68551-17-7	400 ppm (5)	NE	NE
Silica, Amorphus, Diatomaceous Earth	3-7	68855-54-9	.05 mg/kg (2)	NE	NE
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/8hr
Oleic Acid	1-5	112-80-1	NE	Rat: 20 ml/kg	NE

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 REPORTABLE PER SECTION 313, TITLE III SARA AND 40 CFR372.

## 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> 76	<b>VAPOR DENSITY (AIR = 1):</b> NE
<b>EVAPORATION RATE (BuAc = 1):</b> < 1	<b>BOILING POINT (°C):</b> 80	<b>FREEZING POINT (°C):</b> NE
<b>PH:</b> NE	<b>DENSITY (GR/ML):</b> 1.01	<b>SOLUBILITY IN WATER:</b> Appreciable

## SECTION 4 - FIRE AND EXPLOSION DATA

**FLAMMABILITY** IF YES, UNDER WHICH CONDITIONS: Combustible - Keep away from heat, open flame, and other sources of ignition.  
 YES  NO

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, or Foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray or fog to cool fire exposed containers.

<b>FLASH POINT (PMCC) deg F:</b> 199	<b>UPPER FLAMMABILITY LIMIT (% BY VOLUME):</b> NE	<b>LOWER FLAMMABILITY LIMIT (% BY VOLUME):</b> NE
<b>AUTOIGNITION TEMPERATURE (°C):</b> NE	<b>HAZARDOUS COMBUSTION PRODUCTS:</b> Carbon Dioxide, Carbon Monoxide	

**EXPLOSION SENSITIVITY TO IMPACT:** NE **SENSITIVITY TO STATIC DISCHARGE:** No

## SECTION 5 - REACTIVITY DATA

**CHEMICAL STABILITY:** IF NO, UNDER WHICH CONDITIONS:  
 YES  NO

**INCOMPATIBILITY WITH OTHER SUBSTANCES:**  
 YES  NO  IF SO, WHICH ONES? Strong Oxidizers

**REACTIVITY, AND UNDER WHICH CONDITIONS?** Product is not considered highly reactive.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide.

PRODUCT NAME(S): NOVUS Plastic Polish No. 2

## 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.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Prolonged or repeated skin contact may lead to drying, irritation, and dermatitis.

EXPOSURE LIMITS:  
See section 2

IRRITANCY OF PRODUCT:  
Mild: Eyes, skin, and respiratory

SENSITIZATION TO PRODUCT:  
NE

CARCINOGENICITY:  
NE

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): Not normally required. If TLV or PEL is exceeded, wear a NIOSH approved respirator for organic vapors.

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 usage/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: Combustible liquid. Store in closed container in cool, well ventilated area.

### SPECIAL SHIPPING INFORMATION:

TDG - Combustible liquid, n.o.s. NA 1993

WHIMS - Combustible liquid, Class B, Div. 3

## SECTION 8 - FIRST AID MEASURES

SYMPTOMS / EFFECTS OF OVEREXPOSURE: Respiratory irritation. High concentrations may cause headache, dizziness, and nausea. Repeated or prolonged exposure may lead to skin irritation and dermatitis. Eye contact may be 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.

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