## MATERIAL SAFETY DATA SHEET

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PLASTIC POUSH 10425 Hampshire Avenue South Minneapolis, MN 55438 Emergency phone # (612) 944-8000

CECTION	4 DOODHA	T INTERPRETA	TION AND HOP
SECTION.	I - PHODUC	SI IDENTIFICA	TION AND USE

PRODUCT	NAME	<i>(S):</i>
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NOVUS Plastic Polish No. 1

NOVUS I.D. NUMBER:

7010

CHEMICAL NAME:

NA

PRODUCT USE:

Clean and restore plastic surfaces.

SECTION OF UAT			ZARĎOUS INGREDIENTS			
INGREDIENT	% BY WEIGHT	CAS#		LD50 (SPECIES & ROUTE)		
Isopropyl Alcohol	1-5	67-63-0	400 ppm (1,2) 500 ppm (3,4)	NE	NE	
					22	
				9		

NOTES:

(1) - ACGIH TLV (TWA) (2) - OSHA PEL (TWA) LD 50 VALUES ARE VIA ORAL ROUTE UNLESS OTHERWISE INDICATED

(3) - ACGIH STEL

(4) - OSHA STEL

(5) - MFR/SUPPLIER TLV

\*\* TOXIC CHEMICAL REPORTABLE PER SECTION 313, TITLE III SARA AND 40 CFR372.

	SECTION 3 - PHYSICAL DA	TA
PHYSICAL STATE: Liquid	APPEARANCE: White opaque liquid	ODOR: Slight odor
VAPOR PRESSURE (mmHg) 33	% VOLATILE: 94	VAPOR DENSITY (AIR = 1):
EVAPORATION RATE (BuAc = 1):	BOILING POINT (°C):	FREEZING POINT (°C):
PH: NE	DENSITY (GR/ML): 1.006	SOLUBILITY IN WATER: Complete

## **SECTION 4 - FIRE AND EXPLOSION DATA**

FLAMMABILITY	IF YES, UNDER
VEC TO NO TO	

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

EXTINGUISHING MEDIA: Use media suitable for surrounding materials.

NE

SPECIAL FIRE FIGHTING PROCEDURES: No special procedures required.

UPPER FLAMMABILITY LIMIT: NE FLASH POINT (PMCC) deg F: 199.4

(% BY VOLUME)

LOWER FLAMMABILITY LIMIT: (% BY VOLUME)

**AUTOIGNITION** 

HAZARDOUS COMBUSTION PRODUCTS: Carbon Dioxide, Carbon Monoxide.

TEMPERATURE (°C): **EXPLOSION SENSITIVITY TO IMPACT:** 

DATA

SENSITIVITY TO STATIC DISCHARGE:

HEMICAL STABILITY: IF NO, UNDER

YES X NO WHICH CONDITIONS:

INCOMPATIBILITY WITH OTHER SUBSTANCES:

YES X NO I IF SO, WHICH ONES?

Strong Oxidizers

REACTIVITY, AND

UNDER WHICH CONDITIONS?

Product is not considered highly reactive.

Carbon Dioxide and Carbon Monoxide

HAZARDOUS DECOMPOSITION

PRODUCTS:

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DEV NA - NOT APPLICABLE

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PRODUCT NAME(S): NOVUS Plastic Polish No. 1					
SECTION 6 - TOXICOLOGICAL PROPERTIES					
ROUTE OF ENTRY: SKIN CONT.	ACT X SKIN ABSORPTION	EYE CONTACT X INHAL	ATION X INGESTION X		
EFFECTS OF ACUTE EXPOSURE	may be mildly	irritating to the eyes, nose on in certain individuals.	, and throat. May cause mild		
EFFECTS OF CHRONIC EXPOSUR	RE TO PRODUCT: Prolonged inh	nalation of mist may cause mi	ld respiratory irritation.		
EXPOSURE LIMITS: See section 2	IRRITANCY OF PRODUCT: Mild (Eyes, skin, and respiratory)	SENSITIZATION TO PRODUCT: None reported or anticipated			
TERATOGENICITY:	REPRODUCTIVE TOXICITY:	MUTAGENICITY:	SYNERGISTIC PRODUCTS: NE		
	SECTION 7 - PREV	<b>ENTIVE MEASURES</b>			
PERSONAL PROTECTIVE EQUIPM	WENT				
CLOTHING (SPECIFY): Not norm situations of extended skin chemical resistant gloves a	contact, neoprene or other	respirator for organic vapo	ear a NÍOSH - approved ors.		
EYE (SPECIFY): Not normally of safety gl	required, however the use lasses is recommended.	OTHER (SPECIFY): If possible shower s	e, eye wash and safety ould be available.		
ENGINEERING CONTROLS (SPEC	- Local extiduse may be i	necessary under some usage/ha be addressed by health/safet	andling conditions. cy personnel.		
	r personal protective equipme an up with inert absorbant.	ent. Remove heat and ignition	sources, ventilate area,		
WASTE DISPOSAL: Waste may provincial	be burned in an approved inc , and federal regulations.	cinerator or disposed of acco	ording to local, state,		
HANDLING PROCEDURES/EQUIP	PMENT AND STORAGE REQUIREME	Combustible liquid. St	tore in closed container in area.		
SPECIAL SHIPPING INFORMATIO		1/-// NA 1002			
TDG - Combustible liquid, n.o.s., NA 1993 WHIMS - Combustible liquid, Class B, Div. 3					
3 1 1 3 4 7 7 7 7 7	SECTION 8 - FI	IRST AID MEASURE	S		
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 I	Inc. CHEMISTRY DEPAR	RTMENT DATE: 8-3	-93		

PN 0216 REV.

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MATERIAL SAFETY DATA SHEET US NOVUS Inc. 10425 Hampshire Avenue South Minneapolis, MN 55438 Emergency phone # (612) 944-8000 SECTION 1 - PRODUCT IDENTIFICATION AND USE PRODUCT NAME(S): NOVUS LD. 7011 NOVUS Plastic Polish No. 2 NUMBER: CHEMICAL NAME: PRODUCT USE: Clean and restore plastic surfaces. NA Maria Service SECTION 2 - HAZARDOUS INGREDIENTS % BY CAS # INGREDIENT EXPOSURE LIMITS LD50 (SPECIES & ROUTE) LC50 (SPECIES) WEIGHT 7-13 NE NE Odorless Mineral Spirits 68551-17-7 400 ppm (5) 3-7 NE NE Silica, Amorphus, Diatomaceous Earth 68855-54-9 .05 mg/kg (2) Rat: 12,000 1-5 110-91-8 20 ppm (1,2) Rat: 1050 mg/kg Morpholine 30 ppm (3,4) Rabbit, skin: 500 mg/kg ppm/8hr 1-5 NE Oleic Acid 112-80-1 NE Rat: 20 ml/kg NOTES: (2) - OSHA PEL (TWA) (5) - MFR/SUPPLIER TLV (1) - ACGIH TLV (TWA) (3) - ACGIH STEL (4) - OSHA STEL LD 50 VALUES ARE VIA ORAL ROUTE UNLESS OTHERWISE INDICATED \*\* TOXIC CHEMICAL REPORTABLE PER SECTION 313, TITLE III SARA AND 40 CFR372. ECTION 3 - PHYSICA PHYSICAL STATE: APPEARANCE: Slight solvent odor Liquid Tan opaque liquid VAPOR PRESSURE (mmHg) % VOLATILE: VAPOR DENSITY (AIR = 1): < 75 NE 76 EVAPORATION RATE (BuAc = 1): BOILING POINT (C): FREEZING POINT (C): NE 80 DENSITY (GR/ML): SOLUBILITY IN WATER: 1.01 Appreciable SECTION 4 - FIRE AND EXPLOSION DATA FLAMMABILITY IF YES, UNDER YES NO X WHICH CONDITIONS: Combustible - Keep away from heat, open flame, and other sources of ignition. EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, or Foam. SPECIAL FIRE FIGHTING PROCEDURES: Use water spray or fog to cool fire exposed containers. UPPER FLAMMABILITY LIMIT: FLASH POINT (PMCC) deg F: LOWER FLAMMABILITY LIMIT: (% BY VOLUME) (% BY VOLUME) HAZARDOUS COMBUSTION PRODUCTS: Carbon Dioxide, Carbon Monoxide AUTOIGNITION TEMPERATURE (°C): SENSITIVITY TO STATIC DISCHARGE: NE

## **EXPLOSION SENSITIVITY TO IMPACT:** DATA State of the second state of the second state of the second secon CHEMICAL STABILITY: IF NO, UNDER YES X NO WHICH CONDITIONS: INCOMPATIBILITY WITH OTHER SUBSTANCES: YES X 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.

PN 0217 REV.

PH:

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NA - NOT APPLICABLE

UN - UNAVAILABLE

NE - NOT ESTABLISHED

PRODUCT NAME(S):	NOVUS PI	astic Polish No. 2		
with the contract	S	ECTION 6 - TOXICO	LOGICAL PROPERT	TES,
ROUTE OF ENTRY:	SKIN CONT	ACT X SKIN ABSORPTION	X EYE CONTACT X INH	ALATION X INGESTION X
EFFECTS OF ACUTE			piratory irritation. Exposu	re to high concentrations may
cause headache, di route of entry.	izziness,	and nausea. Eye contact may	cause burning and irritation	n. Skin contact is a possible
EFFECTS OF CHRON	VIC EXPOSU	RE TO PRODUCT: Prolonged or and dermatit		lead to drying, irritation,
EXPOSURE LIMITS: See section	2	IRRITANCY OF PRODUCT: Mild: Eyes, skin, and respiratory	SENSITIZATION TO PRODUCT:	CARCINOGENICITY: NE
TERATOGENICITY: NE		REPRODUCTIVE TOXICITY:	MUTAGENICITY: NE	SYNERGISTIC PRODUCTS: NE
ileann a		SECTION 7 - PREV	ENTIVE MEASURE	S
PERSONAL PROTEC				
CLOTHING (SPECIFY): Wear chemical resistant gloves and clothing as needed to prevent skin contact.  RESPIRATORY (SPECIFY): Not normally required. PEL is exceeded, wear a NIOSH approved respin organic vapors.			t normally required. If TLV or NIOSH approved respirator for	
EYE (SPECIFY): Wear chemical safety goggles.  OTHER (SPECIFY): If possible, eye wash and safety shower should be available.				ible, eye wash and safety le.
ENGINEERING CONT	TROLS (SPE	CIFY): Local exhaust may be a Specific needs should	necessary under some usage/ be addressed by health/saf	handling conditions. ety personnel.
LEAK/SPILL PROCE	DURE: Wea	r personal protective equipment of the contract of the contrac	ment. Remove heat and ignit	ion sources, ventilate area,
WASTE DISPOSAL:	Waste may provincia	be burned in an approved in 1, and federal regulations.	ncinerator or disposed of a	ccording to local, state,
HANDLING PROCED	OURES/EQUI	PMENT AND STORAGE REQUIREM	MENTS: Combustible liquid. cool, well ventilat	Store in closed container in ed area.
SPECIAL SHIPPING	INFORMATI		11 11 NA 1003	
			liquid, n.o.s. NA 1993 le liquid, Class B, Div. 3	
		WHIMS - COMBUSETS	ie iiquid, class b, biv. 5	
SYMPTOMS / EFFE	cts of ove	olonged exposure may lead t	itation. High concentration	s may cause headache, dizziness
EYES: Immediatel open. Get	y flush ey prompt med	ves with large amounts of wa dical attention.	ter for at least 15 minutes	while holding the eyelids
SKIN: Remove con irritation		clothing. Wash skin thoroug	hly with soap and water. Ge	t medical attention if
INHALATION: Move	victim to	fresh air and treat sympto	matically. Seek medical att	ention if irritation persists.
INGESTION:	tact local	poison control center or ph	ysician IMMEDIATELY!	

SECTION 9 - MSDS PREPARATION INFORMATION

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DATE:

8-3-93

IN THE SPECIFIC CONTENT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

NOVUS Inc. CHEMISTRY DEPARTMENT

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PREPARED BY: