## MATERIAL SAFETY DATA SHEET

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	PLAST	CPOLISH

Medical Emergencies (800) 228-5635 x 334

Minneapolis, MN 55438 Emergency phone # (952) 944-8000 Bus				Transportation Emergencles (800) 424-9300 Outside U.S. call (703) 527-3887 collect) Business phone # (952) 944-8000					
	SECTION	1-PRODL	ICT IDE	NTI	FICATI	ON A	ND USE		
PRODUCT NAME(S):		c Polish#1 (P/N 7				NOVUS I NUMBEI	. <b>D.</b> 7010		
CHEMICAL NAME: NA			PROL	DUCTU	SE: Cle	an and res	itore plastic surfaces.		
	=	TION 2 - H	AZARD	OUS	INGR	EDIE	NTS		
	SEC	W BY		1	EXPOSURE		LD50 (SPECIES &	LC50 (SPECIES)	
INGREDIE	NT	WEIGHT	CAS#		EXPUSURE	- CIMILS	ROUTE)	2007(0: 20:20)	
isopropyi Alcohol		1-5	67-63-0	,	400 ppm 500 ppm		NE	NE	
			·						
LD 50 VA		(2) - OSHA PEL (1) PRAL ROUTE UNLE RTABLE PER SEC SECTION APPEAR	ESS OTHER CTION 313, T	/SIC	NDICATED SARA AND ALDA	TA		SUPPLIER TLV Slight odor	
PHYSICAL STATE:	Liquid			White	opaque liqui		VAPOR DENSITY		
VAPOR PRESSURE	<33	% VOL	% VOLATILE: 94			(AIR=1):			
(mmHg): EVAPORATION		1	G POINT	99		1	FREEZING POINT NE (deg C):		
RATE (BuAc=1): PH:	< 1 NE		(deg C):  DENSITY (griml): 1.006				SOLUBILITYIN WATER:	Complete	
	SE(	CTION 4 - F	IRF AN	JD E	XPLOS	I NOI	ATAC		
FLAMMABILITY YES NOX	IF YES, UNDE	R							
EXTINGUISHING ME		a suitable for surrou	unding materi	als.					
SPECIAL FIRE FIGHT		es. Na specie	i procedures i	required	l. आर्रः		LOWER FLAMMAE	SICITYLIMIT: NE	
FLASH POINT (PMC		UPPEI	RFLAMMABI			VE	(% BY VOLUME)		
AUTOIGNITION	NE	HAZA	RDOUS COM				rbon Dioxide and Carb	ion Monoxide.	
TEMPERATURE (de EXPLOSION SEN	g C): SITIVITY TO IMPA						SCHARGE: N	E	
DATA		SECTIO	ON 5 - R	EAC	TIVIT	DAT	A		
CHEMICAL STABIL	WHICH COND	UNDER ITIONS:							
INCOMPATIBILITY YES X NO	IF SO, WHIC	H DIVES?	trong oxidize						
REACTIVITY, AND UNDER WHICH CO	NDITIONS?	Product is not cons	sidered highly	reactive	e. 				

REV. 6/00 PN 0216

PRODUCTS:

HAZARDOUS DECOMPOSITION

NA - NOT APPLICABLE

Carbon Dioxide and Carbon Monoxide.

UN - UNAVAILABLE

C540946719

NE - NOT ESTABLISHED

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NOVUS Plastic Polish #1 (P/N 7020, 7024, 7026, & 7050) PRODUCT NAME(S): SECTION 6 - TOXICOLOGICAL PROPERTIES EYE CONTACT X INHALATION X INGESTION X ROUTE OF ENTRY: SKIN ABSORPTION X SKIN CONTACT X EFFECTS OF ACUTE EXPOSURE TO PRODUCT: May be mildly irritating to the eyes, nose, and throat. May cause mild skin irratation in certain individuals. EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Prolonged Inhalation of mist may cause mild respiratory irritation. CARCINOGENICITY: IRRITANCY OF PRODUCT: SENSITIZATION TO PRODUCT: EXPOSURE LIMITS: None reported or anticipated NE Mild: Eyes, skin, and respiratory See section 2. SYNERGISTIC PRODUCTS: MUTAGENICITY: REPRODUCTIVE TOXICITY: TERATOGENICITY: NE NE NF SECTION 7 - PREVENTIVE MEASURES PERSONAL PROTECTIVE EQUIPMENT Not normally required. For symptoms of RESPIRATORY (SPECIFY): CLOTHING (SPECIFY): Not normally required, however in situations of extended skin contact, neoprene or other chemical resistant gloves overexposure, wear NIOSH - approved respirator for organic vapors. are recommended. OTHER (SPECIFY): If possible, eye wash and safety shower EYE (SPECIFY): Not normally required, however the use of safety should be available. glasses is recommended. 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 SECTION 8 - FIRST AID MEASURES Respiratory imitation. High concentrations may cause headache, dizziness, and nausea. SYMPTOMS / EFFECTS OF OVEREXPOSURE: Prolonged or repeated exposure may lead to skin Irritation and dermatitis. Eye contact may be imitating and may cause damage. Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Get prompt medical attention. EYES: Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. SKIN: Move victim to fresh air and treat symptomatically. Seek medical attention if irritation persists. INHALATION: 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. DATE: **NOVUS Inc. CHEMISTRY DEPARTMENT** 6-14-00 PREPARED BY:

N 0216 REV. 6/00

## MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

**NOVUS Inc.** 

10425 Hampshire Avenue South Minneapolis, MN 55438

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

PRODUCT NAME(S): NOVUS Plastic Polish #2 (P/N 7030, 7032, 7033, & 7072) NUMBER: 7011						
CHEMICAL NAME: NA PRODUCT USE: Clean and restore plastic surfaces.						
SECTION	ON 2 - H	AZARDOU	S INGREDIE	NTS		
INGREDIENT	% BY WEIGHT	CAS#	EXPOSURE LIMITS	LD50 (SPECIES & ROUTE)	LC50 (SPECIES)	
dorless Mineral Spirits	7-13	64742-48-9 480 ppm (5)		NE	NE	
silica, Amerphous, Diatemaceous Earth	3-7	61790-53-2	.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 mgkg	Rat: 12,000 ppm (8 hr.)	
Oleic Acid	1-5	112-80-1	NE.	Rat: 20 ml/kg	NE	
·						
OTES: (1) ACGIH TLV (TWA) (2) - LD 50 VALUES ARE VIA ORAL ** TOXIC CHEMICAL REPORTAE	OSHA PEL (1 ROUTE UNL BLE PER SEC	ESS OTHERWISE	INDICATED		PPLIER TLV	
SI	ECTION	13-PHYSIC	CAL DATA			
PHYSICAL STATE: Liquid	APPEAR	RANCE: Tan o	paque liquid	ODOR: Slight solvent odor		
/APOR PRESSURE <75	% VOLA	1 <i>TILE:</i> 76		VAPOR DENSITY (AIR=1):	NE	
mmHg): EVAPORATION RATE (BuAc=1):	BOILING (deg C):	S POINT 80		FREEZING POINT (deg C):	NE	
TI: NE	DENSIT	Y (g/ml): 1.01		SOLUBILITY IN Appreciable WATER:		
SECTI	ON 4 -	FIRE AND	<b>EXPLOSION</b>	DATA		
FLAMMABILITY IF YES, UNDER YES NO X WHICH CONDITION	s:					
EXTINGUISHING MEDIA: Carbon Dioxide			ire evanced containers			
SPECIAL FIRE FIGHTING PROCEDURES: FLASH POINT (PMCC) deg F: >200		FLAMMABILITY LI	ire exposed containers.	LOWER FLAMMABILIT	YLIMIT: NE	
ALEXAVANIMON.		VOLUME) RDOUS COMBUSTIC		<i>(% BY VOLUME)</i> oon Dioxide and Carbon M	onoxide.	
TEMPERATURE (deg C):  EXPLOSION SENSITIVITY TO IMPACT:  NE  SENSITIVITY TO STATIC DISCHARGE:  NO						
DATA	SECTIO	N5-REAC	TIVITY DATA			
CHEMICAL STABILITY: IF NO, UNDE	R					
INCOMPATIBILITY WITH OTHER SUBSTAN	CES: SIG	ong oxidizers.				
		dered highly reactive				
HAZARDOUS DECOMPOSITION Carbon Dioxide and Carbon Monoxide. PRODUCTS:						
	NOT APPLIC	ABLE L	IN - UNAVAILABLE	NE - NOT EST	ABLISHED	

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RODUCT NAME(S): NOVUS Plastic Polish #2 (P/N 7030, 7032, 7033, & 7072) **SECTION 6 - TOXICOLOGICAL PROPERTIES** INHALATION X INGESTION X SKIN ABSORPTION X EYE CONTACT OUTE OF ENTRY: SKIN CONTACT X FFECTS OF ACUTE EXPOSURE TO PRODUCT: May cause respiratory irritation. Exposure to high concentrations may cause headache, dizziness, and nauses. Eye contact may cause burning and irritation. Skin contact is a possible route of entry. FFECTS OF CHRONIC EXPOSURE TO PRODUCT: Prolonged or repeated skin contact may lead to drying, imitation, and dermatitis. CARCINOGENICITY: SENSITIZATION TO PRODUCT: IRRITANCY OF PRODUCT: YPOSURE LIMITS: Mild: Eyes, skin, and respiratory See section 2. SYNERGISTIC PRODUCTS: MUTAGENICITY: REPRODUCTIVE TOXICITY: ERATOGENICITY: NE ΝE NE SECTION 7 - PREVENTIVE MEASURES PERSONAL PROTECTIVE EQUIPMENT Not normally required. If TLV or PEL Is RESPIRATORY (SPECIFY): CLOTHING (SPECIFY): Wear chemical resistant gloves and clothing exceeded, wear a NIOSH approved as needed to prevent skin contact. respirator for organic vapors. If possible, eye wash and safety shower OTHER (SPECIFY): EYE (SPECIFY): Wear chemical safety goggles. should be available. Local exhaust may be necessary under some useage/handling conditions. ENGINEERING CONTROLS (SPECIFY): Specific needs should be addressed by health/safety personnel. Wear personal protective equipment. Remove heat and ignition sources, ventilate area, clean up with inert absorbant. LEAK/SPILL PROCEDURE: Waste may be burned in an approved incinerator or disposed of according to local, state, provincial, and federal regulations. WASTE DISPOSAL: 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 SECTION 8 - FIRST AID MEASURES Respiratory irritation. High concentrations may cause headache, dizziness, and nausea. SYMPTOMS/EFFECTS OF OVEREXPOSURE: Prolonged or repeated exposure may lead to skin irritation and dermatitis. Eye contact is irritating and may cause damage. Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Get prompt medical attention. EYES: Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. SKIN: Move victim to fresh air and treat symptomatically. Seek medical attention if irritation persists. INHALATION: Contact local poison control center or physician IMMEDIATELY! INGESTION: 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. NOVUS Inc. CHEMISTRY DEPARTMENT 6-14-00 PREPARED BY:

PN 0217

REV. 6/00

NOANS INC

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## MATERIAL SAFETY DATA SHEET

10	VL	JS.
	PLASTI	C POLISH

NOVUS Inc.

10425 Hampshire Avenue South Minneapolis, MN 55438

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

SECTION 1 - PODUCT NAME(S): NOVUS Plastic Pollst				NOVUS I NUMBEI	D. 7107	<u></u>	
CHEMICAL NAME: NA			PRODUCT USE: Clean and restore plastic surfaces.				
SECTION	12.H	AZARDO	JS ING	REDIE	NTS		
	% BY WEIGHT	CAS#	EXPOSUR		LD50 (SPECIES & ROUTE)	LC50 (SPECIES)	
propylene Glycol Monomethyl Ether	3-7	34590-94-8	100 ppm (1,2) 50 ppm (4)		Rat: 5,4 mg/kg Rabbit, skin: >20 mgkg	NE NE	
umina (dust, as nuisance particulate, total)	10-30	1344-28-1	10 mg/m <sup>3</sup> (1) 15 mg/m <sup>3</sup> (2)		Rat: 3160 ml/kg	NE 	
						\	
						FR/SUPPLIER TLV	
LD 50 VALUES ARE VIA ORAL ** TOXIC CHEMICAL REPORTA	BLE PER	LESS OTHERWI SECTION 313, TIT	LE III SARA	D AND 40 C			
SE	CTION	3 - PHYS	ICAL D		~~~		
PHYSICAL STATE: Liquid	APPEARANCE: White, opaque - get like			ce C	DDOR: Lemon		
(APOR PRESSURE NE	% VOLATILE: <80				/APOR DENSITY AIR=1):	NE	
EVAPORATION RATE (Buac=1):	BO(LING POINT NE (deg C):				FREEZING POINT NE (deg C):		
<del>г</del> н: 7	1	Y (g/ml): 1.18			SOLUBILITY IN Appreciable WATER:		
SECTIO	N 4 - I	FIRE AND	<b>EXPLO</b>	SION	DATA		
FLAMMABILITY IF YES, UNDER VES NO X WHICH CONDITIONS							
EXTINGUISHING MEDIA: Water spray, Car	bon Dioxide	, Dry Chemical, or	Universal Fo	am.			
SPECIAL FIRE FIGHTING PROCEDURES:	None				LOWER FLAMMABIL	ITY LIMIT: NE	
FLASH POINT (PMCC) deg F: >200	/0/ DV	UPPER FLAMMABILITY LIMIT: NE (% BY VOLUME)  HAZARDOUS COMBUSTION PRODUCTS: Will not occur.				·	
AUTOIGNITION NE TEMPERATURE (deg C):	MACAN		SITIVITY TO				
EXPLOSION SENSITIVITY TO IMP	ΝE						
5		N 5 - REA	CTIVIT	YDAL	A		
CHEMICAL STABILITY: IF NO, UNDER YES X NO WHICH CONDITION	<u>s:</u>						
INCOMPATIBILITY WITH OTHER SUBSTA	NCES:						
		idered reactive.	<u> </u>	<u></u> .			
	ot occur.						

PN 0209 90 35A9

REV. 3

NA - NOT APPLICABLE

NOANZ INC

UN - UNAVAILABLE

P753460432

NE - NOT ESTABLISHE

98:01 Z00Z/9Z/10 http://www.techni-tool.com

NOVUS Plastic Polish #3 (P/N 7080, 7081, 7082, & 7085) RODUCT NAME(S): SECTION 6 - TOXICOLOGICAL PROPERTIES SKIN ABSORPTION X EYE CONTACT X INHALATION X INGESTION X DUTE OF ENTRY: SKIN CONTACT X FECTS OF ACUTE EXPOSURE TO PRODUCT: Eye contact may cause mild discomfort with slight Irritation of the conjunctiva, seen as redness and watering. Swallowing may cause abdominal discomfort, nausea, and diarrhea FECTS OF CHRONIC EXPOSURE TO PRODUCT: Mild skin imitation with prolonged exposure. SENSITIZATION TO PRODUCT: CARCINOGENICITY: IRRITANCY OF PRODUCT: KPOSURE LIMITS: None known Mild: Eves and skin See section 2. SYNERGISTIC PRODUCTS: REPRODUCTIVE TOXICITY: MUTAGENICITY: ERATOGENICITY: ΝE NF ΝE **SECTION 7 - PREVENTIVE MEASURES** PERSONAL PROTECTIVE EQUIPMENT RESPIRATORY (SPECIFY): LOTHING (SPECIFY): Wear chemical resistant gloves and clothing Not normally required. as needed to prevent prolonged skin expoif possible, eye wash and safety shower OTHER (SPECIFY): EYE (SPECIFY): Safety glasses suggested if handling poses exposure should be available. NGINEERING CONTROLS (SPECIFY): Specific needs should be addressed by health/safety personnel. Cover with absorbent material or flush with hot water. Collect and dispose following government regulations. EAK/SPILL PROCEDURE: WASTE DISPOSAL: Follow all local, state, provincial, and federal regulations. Use good manufacturing practices, Freezing may adversely HANDLING PROCEDURES/EQUIPMENT AND STORAGE affect product appearance, but not functionality. REQUIREMENTS: SPECIAL SHIPPING INFORMATION: Keep from freezing. SECTION 8 - FIRST AID MEASURES SYMPTOMS / EFFECTS OF OVEREXPOSURE: May include mild redness and itching. Flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Seek medical attention if irritation EYES: persists. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. SKIN: Move victim to fresh air and treat symptomatically. Seek medical attention if imitation persists. INHALATION: INGESTION: Contact physician or other medical source. 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

PN 0209

REV. 3