## NORTHERN PLASTICS LTD. MATERIAL SAFETY DATA SHEET

(REVISED June 21, 2019)

IDENTIFY (As Used on Label and List)					Note: Blank spaces are not permitted. If any item is not applicable, or no				
POLYURETHANE ELASTOMER				inforr	information is available, the space must be marked to indicate that.				
<b>Section I</b>									
Manufacturer's Name	e				Emer	gency Tel	ephone Number		
NORTHERN							-6666 CALL C	COLLECT	
Address (Number, Str	-	Postal Code	e)		-		nber for Information		
5840 AUTO R	ROAD SE					50-832	-9452		
SALMON AR	RM, BC				Rev	Date Prepared Revised June 21, 2019			
					Signa	Signature of Preparer (optional)			
CANADA	V1E 2X2								
<b>Section II -</b>	Hazardous	s Ingre	dien	ts/Ident	ity Info	rmat	ion		
					-		Other	Limits	
Hazardous Componer	nts (Specific Chemic	cal Identity;	Commo		OSHA P		ACGIH TLV	Recommended	% (optional)
	DOLLAR DE	TT 1 2 1			APPLICA		Z DE A CEED DO	TANKED C	
							Y REACTED PO		
	FORMING						ISIDERED HAZ	ARDOUS	
		UNDE	R OS	HA'S CR	ITERIA	IN 290	CFR1910.1200		
Section III	- Physical/C	Chemi	cal (	Characte	ristics				
Boiling Point				N/A		Specific Gravity (H2O = 1) 1.05-1.26			
Vapor Pressure (mm	Hg.)			N/A	Melting Point - Melts 380°F - 450°F			N/A	
Vapor Density (AIR = 1)				N/A	Evaporatio	Will degrade above 300°F (150°C)  Evaporation Rate (Butyl Acetate = 1)			
Solubility in Water				l	(= 0.0)				
IN Appearance and Odor	ISOLUBLE r								
	OLID, NO ODOR								
<b>Section IV</b> -	- Fire and I	Explosi	ion I	Hazard I	Data				
Flash Point (Method				nmable Limits		LEL		UEL	
N/A N			N/A	N/A		N/A		N/A	
Extinguishing Media						14/11		10/11	
WATER, DRY CHE					CONNEL TO	A CAPE	ADEA EIDEEIGUEED	G GHOLH D LIGE GEL	E CONTAINED
							AREA. FIREFIGHTERS N PRODUCTS. USE WA		
							MABLE LIQUIDS. BU		
HEAT, DENSE SMC	OKE, AND TOXIC (	CASES, SUC	CH AS (	CARBON MOI	NOXIDE, OX	AIDES OF	NITROGEN AND TRA	CES OF HYDROGE	N CYANIDE.
Unusual Fire and Exp NONE	olosion Hazards								
Stability Unstable Conditions to avoid									
Stable X NONE									
Incompatibilty (Mater STRONG ACIDS OF									
		: DECOME	POSITIO	N THROUGH	BURNING	FUMES C	CONSISTING OF ORGA	NIC PARTICULATE	S, GASEOUS
HYDROCARBONS, DIPHENYLMETHAL							CES OF TOLUENE DIIS S OF NITROGEN.	OCYANATE OR	
Hazardous	May Occur		Conditions to avoid						
Polymerization	Will Not Occur	X							

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Section v - Reactivity Data							
STABILITY	UNSTABLE:		CONDITIONS TO AVOID:				
			None				
	STABLE:	X					
INCOMPATIBILITY (MATERIALS TO AVOID): Strong Acids or Bases							
<b>HAZARDOUS DECOMPOSITION OF BYPRODUCTS:</b> Decomposition through burning produces fumes consisting of organic particulates, gaseous hydrocarbons, carbon dioxide, carbon monoxide and may contain traces of toluene diisocyanate or diphenylmethane diisocyanate,							
nitrogen dioxide, hydrogen cyanide and acrolein.							
HAZARDOUS POLYMERIZATION	MAY		CONDITIONS TO AVOID: NONE				
	OCCUR:						
	WILL NOT OCCUR:	X					

#### Section VI - Health Hazard Data

Section vi - meanin mazaru D	ata					
Route(s) of Entry:	Inhalation?:	Yes, primary route	Skin?: No	Ingestion?: N	lo toxic effects are	
expected						
INHALATION OF DUST DURING MACHINING AN	D INHALATIO	N OF VAPORS DURIN	G HOT WIRE CUTTIN	IG OR BRANDIN	G.	
Health Hazards (Acute and Chronic):						
,	FLIMES FROM	HOT WIRE CUTTING	CAN BE IRRITATING	ANDIFADTO	COLIGHING THESE	
ACUTE: NONE KNOWN FROM SOLID ARTICLE. FUMES FROM HOT WIRE CUTTING CAN BE IRRITATING AND LEAD TO COUGHING. THESE FUMES COULD CONTAIN TRACES OF ISOCYANATES (MDI OR TDI) DEPENDING UPON WHICH ISOCYANATE IS USED IN THE ELASTOMER						
FORMULATION.						
CHRONIC: ANIMAL STUDIES INDICATE THAT CHRONIC INHALATION OR OVEREXPOSURE OF DUSTS MAY COUSE INFLAMMATION OF THE						
LUNGS, FINROSIS, AND AIRWAY OBSTRUCTION.						
LUNGS, PINKOSIS, AND AIRWAT OBSTRUCTION	•					
Carcinogenicity:		NTP?: No	IARC Monographs	?: No	OSHA Regulated?: No	
CURED POLYURETHANE IS NOT LISTED AS A CA	ARCINOGEN					
Signs and Symptoms of Exposure:						
SEE ACUTE AND CHRONIC EFFECTS						
Medical Conditions:		_			_	

DUST FROM GRINDING OPERATIONS MAY AGGRAVATE EXISTING LUNG DISORDERS WHEN PROPER PROTECTION IS NOT USED. GENERALLY AGGRAVATED BY EXPOSURE.

Emergency and First Aid Procedures:

FLUSH EYES WITH WATER IF DUST FROM GRINDING CAUSES IRRITATION.

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# Section VII - Precautions for Safe Handling and Use Steps to Be Taken in Case Material is Released or Spilled

PICK UP AND HANDLE AS ANY OTHER INERT SOLID MATERIAL
Waste Disposal Method:
NOT CONSIDERED A HAZARDOUS MATERIAL. DISPOSE OF MATERIAL ACCORDING TO ANY LOCAL, STATE AND FEDERAL REGULATIONS.
Precautions to Be Taken in Handling and Storage:
STORE ELASTOMER IN AREAS EQUIPPED WITH SPRINKLER SYSTEMS. STORE AWAY FROM SPARKS, FLAMES OR OTHER IGNITION
SOURCES.
Other Precautions:
CUTTING ELASTOMER BY HOT WIRE OR HOT BRANDING CAN FORM DECOMPOSITION PRODUCTS. LOCAL EXHAUST VENTILATION
SHOULD BE USED TO REMOVE ANY FUMES. IF ISOCYANATES ARE EMITTED, VENTILATION SHOULD BE SUFFICIENT TO INSURE LEVELS
BELOW THE TLV FOR TDI (0.005 PPM TWA/0.02 PP, STEL) OR MDI (0.02 PPM CEILING) ALSO SEE RESPIRATORY PROTECTION BELOW.

#### **Section VIII - Control Measures**

Respiratory Protection (Specify Type): FOR GRINDING - WEAR A DUST MASK. IF GENERATING FUMES FROM HOT WIRE OR HOT KNIFE OPERATION - WEAR AN AIR-PURIFYING DESCRIPATION WITH ORGANIC CARTENIDGE, IF VENETH ATTOM IS INAPPOLIATE.						
RESPIRATOR WITH ORGANIC CARTRIDGE, IF VENTILATION IS INADEQUATE.  Ventilation  Local Exhaust:  AS REQUIRED TO REDUCE DUST AND FUME EXPOSURE  BELOW OSHA LEVELS			Special: NONE			
	Mechanical (General): SEE LOCAL EXHAUSER	Other: NONE				
NONE REQUIRED N		Eye Protection: NONE REQUIRED IN NORMAL USE. FOR GRINDING OPERATIONS, USE GRINDING GOGGLES.				
Other Protective NONE REQUIR Work/Hygienic F NONE REQUIR	Practices:					