

TELEPHONE NUMBER Reg. Phone 206-641-8888

For Emergency Assitance Call Infotrac (800) 535-5053

HAZARD RATING	FIRE /
4 = EXTREME	0 > REACTIVITY
3 = HIGH	
2 = MODERATE	(
1 = SLIGHT TOYK	NITV / \/
1 = SLIGHT 0 = INSIGNIFICANT	лту у

• P.O. BOX 1786 • Bellevue, WA		all Infotrac (80	0) 535-5053		SECTION IV		SPECIAL		
MATER	IAL :	SAFE1	ΓΥ Ι	DATA	4 S	HEET			
PRODUCT NAME			DATE ISSUE	D 03-16-93		CODE	DOT HAZARD		
UNDER-COATER			PREPARED I	BY Dale R. Sil	haugh	012-0145	Not Regulated		
FORMULA Proprietary	CHEMICAL	NAMES AND OR	R SYNONYMS		leaning Liquid	012 0110	rtogulatou		
I - COMPO	SITIONAL	INFORMA	ATION/S	SARA I	II INF	ORMATIO	V		
INGREDIENTS	CAS N	NUMBER				APOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT		
*Diethylene Glycol n-Butyl Ether *Ethylene Glycol *Dibutyl Phthlate	112-34-! 107-21- 84-74-2	1 N	None 50	OPPM N	5 PPM one lone	0.1 77°F 0.1 68°F 0.0 68°F.	3.0 2.0 3.0		
*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Tittle III and 40 CFR 342. NOTE : The precise composition of this mixture is proprietary. A more complete description will be provided to a physician in the event of a medical emergency.									
II	- PHYSIC	AL PROI	PERTY	INFORM	MATION				
APPEARANCE and ODOR Water thin, milky white liquid									
MELTING POINT	BOILING POINT		COATING	5 V.O.C.		EVAPORATION	RATE		
Not Applicable SOLUBILITY IN WATER	387° to		VAPOR I	lot Applicable		Slower tha	in ether		
Complete	SPECIFIC GRAVIT 1.0	Y (Water = 1)		lot Applicable					
III - FIRE AND EXPLOSION HAZARD INFORMATION									
FLASH POINT	AUTO IGNITION	TEMPERATURE	LOWER E	XPLOSION LI	MIT (%)	UPPER EXPLOS	SION LIMIT (%)		
NotApplicable	Not Ava	ilable	N	lot Applicable		Not Applica	able		
EXTINGUISHING MEDIA X FOAM X CO2 X DRY CHEMICAL X WATER SPRAY OTHER									
SPECIAL FIRE FIGHTING PROCEDURES For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire MSDS.									
UNUSUAL FIRE AND EXPLOSION HAZ	·	· · · · · · · · · · · · · · · · · · ·		. , , ,	· · · · · · · · · · · · · · · · · · ·				
I	V - HEAL	_TH HAZ	ARD IN	NFORM <i>A</i>	ATION				
THRESHOLD LIMIT VALUE ROUTE Not Established OF EN		LATION e Health Hazards	X SKII Se	N ee Health Hazards	5	X INGESTION See Health Haz	zards		
HEALTH HAZARDS (Acute and Chronic) CHRONIC EFFECTS OF EXPOSURE: None known *See Section IX.									
CARCINOGENICITY: Not considered to be a carcinogen	NTP	IARC M	onographs	X OSHA	A Regulated				
SIGNS AND SYMPTOMS OF EXPOSURE INHALATION: Vapors and mist can cause the following: - headache - nausea - irritation of nose, throat, and lungs. EYE CONTACT: Direct contact with the material may irritate the eyes. SKIN CONTACT: Prolonged or repeated contact may irritate the skin.									

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE None Known.

EMERGENCY AND FIRST AID PROCEDURES EYES: If this chemical contacts the eyes, promptly wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention if any discomfort continues. Contact lenses should not be worn when working with this chemical. SkiN: If this chemical contacts the skin, flush the contaminated skin with water. Where there is evidence of skin irritation, get medical attention. INHALATION: If a person breathes large amounts of this chemical, move the exposed person to fresh air at once. Other measures are usually unnecessary. INGESTION: If this chemical has been swallowed, get medical attention immediately.

	V -	REACTIVIT		RMATION		
X STABLE UNSTABLE		NS TO AVOID None				
HAZARDOUS DECOMPOSITION PRODUC	CTS Mayliber	ate carbon monoxide or c	carbon dioxide.			
POLYMERZATION OCCUR O	00011	CONDITIONS TO A Heat, sparks and open fla	VOID ime.			
INCOMPATIBILITY (Materials to avoid)	Acids, oxidizing	materials.				
VI - SP	LL OF	R LEAK P		RE INFORMATION		
STEPS TO BE TAKEN IN CASE MATERIAL in Special Protective Information. Contain liquid to p materials or pumping. Where feasible and appropria	IS RELEAS revent further c te, remove cont	SED OR SPILLED ontamination of soil, surfa aminated soil. Follow pre	Stop the source of I face water or ground escribed procedures	leak orrelease. Clean up releases as soon as dwater. Clean up small spills using appropr s for reporting and responding to larger rele	s possible, observing precautions riate techniques such as sorbent ases.	
WASTE DISPOSAL METHODS Place of environmental authorities for approved disposal of the	ontaminated ma is material.	aterials in disposable co	ontainers and dispo	ose of in a manner consistent with applic	able regulations. Contact local	
VII -		IAL PROT		INFORMATION		
VENTILATION TYPE Local mechanical ex	naust ventilation	n, capable of maintaining	gemissions at the po	oint of use below the PEL.		
RESPIRATORY PROTECTION Wearai	IIOSH-Approve	ed respirator, appropriate	e for the concentration	on of vapor or mist encountered at the point	of use.	
PROTECTIVE GLOVES Impervious	E	EYE PROTECTION	Wear eye pr	otection to prevent any reasonable probabi	ility of eye contact.	
OTHER PROTECTIVE EQUIPMENT Wear	appropriate eq	uipment to prevent any re	epeated or prolonge	d skin contact.		
			HANDLIN			
PRECAUTIONS TO BE TAKEN IN HANDL tightly closed when not in use. Workers should wash contaminated. Remove clothing immediately if it is no that contact lenses should not be worn when workin	n-impervious cl	othing that becomes wet.	. I he following equip	ment should be available: Eyewash, Quick (atible materials. Keep container ossibility that the clothing may be drench. It is generally recognized	
OTHER PRECAUTIONS Read and follow law will retain product residue and vapors. Always obey	abel instructions hazard warning	. The label contains inform gs and handle empty cont	nation necessary for tainers as if they we	the proper use of the product. Containers, ever re full.	en those that have been emptied,	
	IX -	TOXICITY	INFOR	MATION		
*HEALTH HAZARDS for Ethylene Glycol: INHALA attained that are sufficient to cause irritation and oth the eyes. SKIN CONTACT: Essentially non-irritating LD50 has not been determined. SWALLOWING: Si acidosis), and kidney failure. The estimated lethal do handling are not likely to cause injury; however ing irritation to upper respiratory tract. Observations in a Did not cause cancer in long-term animal studies. Ba Exposures by inhalation (tested nose-only in animals tests in animals have been negative.	er effects. EYE I to the skin. SKI Igle dose oral to se for an averag estion of larger nimals include k sed on animal s	CONTACT: May cause s IN ABSORPTION: Repei oxicity is moderate. Exces ge person is 100 ml. The o amounts could cause se kidney and liver effects ar studies, ingestion of ethyl	slight transient (tem ated skin exposure ssive exposure may pral LD50 for rats is ir erious injury, even o nd deposition of calc lene glycol appears	porary) eye irritation: Corneal injury is unlik to large quantities may result in absorption cause central nervous system effects, carn the 6,000-13,000 mg/kgrange. Amounts in death. SYSTEMIC & OTHER EFFECTS: I cium salts in various tissues after long-term to be the major and possibly only route of ex	kely. Vapors or mists may irritate of harmful amounts. The dermal diopulmonary effects (metabolic ngested to incidental to industrial Excessive exposure may cause dietary intake of ethylene glycol. kposure to produce birth defects.	
X - MISCELLANEOUS INFORMATION						
Handle in accordance with good industrial hygiene ar	nd safety practic	es. These practices inclu	ide avoiding unnece	ssary exposure and the removal of the mate	erial from eyes, skin and clothing.	
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PRODUCT CODE NA = NOT AVAILA			PERSEDES	SIGNED	\$\\\\	
O12 0145 The information contained herein is based on data or	03 1€ Insidered accura	, , ,	09 08 88 ty is expressed or i	implied regarding the accuracy of these da	ta or the results to be obtained	

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