

147-001

MATERIAL SAFETY DATA SHEET

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SECTION I-MATERIAL IDENTIFICATION AND USE

99170EA 99170-1PK 99180EA

Material Name/Identifier:	Corrosion Preventive Sealant	Stock No.	99170/99180
Brand Owner:	Grote Industries Co.	Street Address:	230 Travail Road.
City:	Markham	Province: Ontario	Canada
Postal Code:	L3S 3J1	Phone Number	905-209-9744
Chemical Name:	Grease compound	Chemical Family:	N.Ap.(mixture)
Chemical Formula:	N.Ap.(mixture)	Trade Names & Synonyms:	Grote Ultra-Seal
Material Use:	Lubricant (Grease)	Molecular Weight:	N.Ap. (mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Conc. % wt.	LD50 Species & Route	LC50 Species & Route
Hydrotreated paraffinic oil	64742-54-7	30 - 60	>2000 mg/kg rat-oral	N/Av.
Hydrotreated Mineral oil	64742-57-0	10 - 30	>2000 mg/kg rat-oral	N/Av.
12-Hydroxystearic acid	160-14-9	5 - 10	N/Av.	N/Av.
Lithium hydroxide monohydrat	1310-66-3	1 - 5	N/Av.	N/Av.
Diphenylamine	122-39-4	1 - 5	N/Av.	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Grease	Odor/Appearance:	Light oily odor/ light amber grease
Specific Gravity: (water=1)	0.9 - 0.95	Odor Threshold(p.p.m.):	N/E
Boiling Point:	N/E	Evaporation Rate:	Nil
Freezing Point:	< 0°C	Solubility in Water:	Insoluble
% Volatile(by volume):	Nil	Vapor Pressure(psig):	N.Ap.
Vapor Density(Air=1):	N/Av.	Coefficient of Water/Oil Distribut:	N/Av.
pH:	N.Ap.		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	No	If yes under which conditions?:	N.Ap.
Auto Ignition Temperature:	N/E	Means of Extinction:	Dry chemicals, carbon dioxide, foam
Flashpoint and Method:	> 200 oC	Hazardous Combustion Products:	Oxides of carbon and and black fume.
	Tag. O.C		
Upper Flammable limit	N/E	Lower Flammable Limit (% by volume):	N/E
(% by volume):			
Explosion Data:	Sensitivity to Mechanical Impact: N.Ap.	Sensitivity to Static Discharge:	N.Ap.

SECTION V-REACTIVITY DATA

Chemical Stability Yes/No:	Yes	If NO under which conditions?:	N.Ap.
Incompatibility to Other Substances Yes/No:	Yes	If so which ones?	Strong oxidizing materials
Reactivity and under what conditions?	None		
Hazardous Decomposition Products:	None at room temperature.		

N/E: not established

N.Ap.:not applicable

N/Av.: not available

SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry:	-SKIN CONTACT--SKIN ABSORPTION --EYE CONTACT--INHALATION -x-INGESTION		
Effects of Acute Exposure:	May cause slight eye irritation. No inhalation of hazardous vapor is expected at room temperature.		
	Ingestion may cause upset stomach, nausea, vomiting, pulmonary irritation.		
Effects of Chronic Exposure:	None known		
LD 50 of Product:	N/Av.	LC 50 of Product:	N/Av.
Irritancy of Product:	May cause skin, eye irritation.	Exposure Limits of Product:	N/E
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/Av.
-CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None known

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:			
Gloves(specify):	Rubber Gloves	Eye (specify) :	Safety Glasses/ goggles
Respiratory(specify):	Not required during normal use	Clothing:	Not required
Respiratory Protection:	Not required during normal use		
Engineering Controls:	No special controls required under normal use conditions. Local or mechanical ventilation suggested.		
Leak and Spill Procedure:	Contain spillage with inert absorbant, sand, vermiculite. Prevent entering from waterways.		
Waste Disposal:	Dispose according to local, provincial, federal government regulation		
Storage Requirements:	Keep away from high heat or open flame. Store at room temperature. Keep container closed when not in use.		
Handling Procedures and Equipment:	Keep away from children. Handle with care. Do not inhale or ingest.		
WHMIS	Not regulated.		
TDG Classification:	Not regulated.		
HMIS	Health 1, Flammability 1, Reactivity 0		

SECTION VIII-FIRST AID MEASURES

Eye:	Flush with water for at least 15 minutes. If discomfort persists, seek medical attention.
Skin:	Wash thoroughly with soap and water. If adverse effects occur consult a physician.
Inhalation:	Remove person to fresh air. Consult a physician if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING, Get medical help immediately.

SECTION IX-PREPARATION DATE OF M.S.D.S.

Additional Info/Comments:		Sources Used: Supplier's data
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory
Date:	June 17, 2014	Manufactured By: Kleen-Flo Tumbler Industries Limited for Grote Industries Canada

THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED

N/Av.: not available

N/Av.: not applicable

N/E: not established