SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	**Engine Seal**	**Stock No.**	**702**
Manufacturer's Name:	**Kleen-Flo Tumbler Industries Ltd**	**Street Address:**	**75 Advance Blvd.**
City:	**Brampton**	**Province:**	**Ontario**
Postal Code:	**L6T 4N1**	**Emergency Phone #:**	**CANUTEC:- 613-996-6666 (24HR)**
Chemical Name:	**N/Av. (Mixture)**	**Chemical Family:**	**Petroleum Oil**
Chemical Formula:	**N/Av. (Mixture)**	**Trade Names & Synonyms:**	**None**
Material Use:	**Motor Oil additive**	**Molecular Weight:**	**N/Av. (Mixture)**

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Hydrotreated parafinic Oil	**64742-58-1**	**60-100%**	**> 2000mg/kg-rat**	**N/Av.**
A synthetic seal additive *	**N/Av.**	**1-5%**	**N/Av.**	**N/Av.**

*** This material is not hazardous as defined by 29 CFR 1915.2(s)**

This material is not known to contain any chemical listed as a carcinogen or suspected carcinogen by the US OSHA, IRAC or the US National Toxicology Program at a concentration greater than 0.1%.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	**Liquid**	**Odour/Appearance:**	**Hydrocarbon odour/ light oil colour**
Specific Gravity:	**0.856 @ 26ºC**	**Odour Threshold(p.p.m.):**	**N/E**
Boiling Point:	**129ºC**	**Evaporation Rate:**	**N/E**
Freezing Point:	**N/E**	**Solubility in Water:**	**Insoluble**
% Volatile(by volume):	**N/E**	**Vapour Pressure(mm)Hg:**	**N/E**
Vapour Density(Air=1):	**N/E**	**Coefficient of Water/Oil Distribut:**	**N/E**
pH	**N/Av.**		

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: Foam, carbon dioxide, dry chemical, water fog**
Flashpoint and Method:	**165ºC COC**	**Hazardous Combustion Products: Carbon dioxide, carbon monoxide,**
		oxide of sulfur, aldehyde, ketones, unidentified organic vapours.
Upper Flammable limit (%vol)	**N/E**	**Lower Flammable Limit(% by volume): N/E**
Explosion Data:	**Sensitivity to Mechanical Impact: No.**	**Sensitivity to Static Discharge: No.**

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? Inorganic acids conc., Peroxides**
Reactivity and under what conditions?	**Over heating, Hot Surfaces, open flame or fire.**	
Hazardous Decomposition Products:	**Carbon monoxide, Carbon dioxide, oxide of sulfur, aldehyde, ketones, unidentified organic vapo**	

N/E: not established **N.Ap.: not applicable** **N/Av.: not available**

SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry: ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
Effects of Acute Exposure:	May causeeye & skin irritation, dizziness, headache, nausea, vomiting, cough & pulmonary irritation.		
Effects of Chronic Exposure:	Prolong repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflamation and fibrous tissue formatio		
	Prolong repeated eye contact may cause inflammation of the membrane lining the eyelids, covering the eyeball.		
	prolong repeated skin contact may cause drying, cracking, redness, itching and dermatitis.		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Eye, skin irritant	Exposure Limits of Product:	N/E
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/E
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			none known

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Nitrile or Chemical resistant gloves	Eye(specify):	Safety Glasses
Respiratory(specify):	Not Required during normal use	Clothing:	Not required
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended		
Engineering Controls:	local and mechanical ventilation		
Leak and Spill Procedure:	Use inert absorbents, prevent from entering waterways.		
Waste Disposal:	According to local and provincial government regulation.		
Storage Requirements:	Keep container closed when not in use. Keep at room temperature.		
Handling Procedures and	Handle with care. Keep away from children. Do not inhale or ingest.		
Equipment:			
TDG Classification:	Non regulated		
WHMIS Classification:	Non controlled		

SECTION VIII-FIRST AID MEASURES

Eye:	Flush with water for at least 15 minutes. Seek medical help immediately if discomfort persists.
Skin:	Remove contaminated clothing. Wash immediately with soap & water. See doctor if irritation persist.
Inhalation:	Remove to fresh air. Restore breathing if required. See doctor if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. Get medical help immediately.

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

Additional Info/Comments:		Source used: Supplier's data	
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory	
Date Prepared:	Janaury 2, 2012.	Kleen-Flo Tumbler Industries Limited	

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

N/E: not established N.Ap.: not applicable N/Av.: not available