

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Gasket Kleen	Stock No.	465
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:	Aerosolized coating	Chemical Family:	Hydrocarbons
Chemical Formula:	N. Ap (mixture)	Trade Names & Synonyms:	Gasket Kleen
Material Use:	Sealant	Molecular Weight:	N. Ap (mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Toluene	108-88-3	7-13%	5000 mg/kg rat-oral	8000 ppm (4hr) rat-inh.
Hexane	110-54-3	10-30%	17300mg/kg rat-oral	48000mg/kg rat - inhal
Methylene chloride	75-09-2	15-40%	2100 mg/kg rat-oral	88000 mg/m3 (1/2) rat-inh.
Propane	74-98-6	10-30%	>5000mg/kg dermal-rabbit	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Aerosol	Odour/Appearance:	Chlorinated Hydrocarbon odour/Orange
Specific Gravity:	0.94-.098	Odour Threshold(p.p.m.):	N/Av.
Boiling Point:	40 - 118°C	Evaporation Rate: %	> 1
Freezing Point:	N/Av.	Solubility in Water: % w/w	Negligible
% Volatile(by volume):	80-85	Vapour Pressure: (Aerosol)	40-50 psig
Vapour Density(Air=1):	> 1	Coefficient of Water/Oil Distribut:	N/Av.
pH	N/Av.		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes	If yes under which conditions: Excessive heat, spark, open flame	
Auto Ignition Temperature:	480 - 603°C	Means of Extinction: Dry chemical, carbon dioxide, foam, water	
Flashpoint and Method:	-26°C TCC (lowest known Hexane)	Hazardous Combustion Products: Possible Phosgene, Chlorine, Hydrogen Chloride	
Flame extension;	>15 cm,<100 cm	Hydrocarbon fumes, smoke and carbon monoxide where combustion is incomplete.	
Upper Flammable limit (%vol)	22	Lower Flammable limit (%vol)	1.2
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/A
Incompatibility to Other Substances Yes/No:	Yes	If so which ones?	Strong oxidizers
Reactivity and under what conditions?	Hot surfaces, open flames, fire.		
Hazardous Decomposition Products:	Possible phosgene, chlorine, hydrogen chloride, carbon dioxide, carbon monoxide		

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:	Nausea, dizziness, paleness, weakness, eye and skin irritation. Over exposure of methylene chloride may lead to central nervous system depression and cardiac sensitization.		
Effects of Chronic Exposure:	Solvent may cause defatting dermatitis. Methylene chloride over exposure may have central nervous system effect. N-Hexane excessive exposure can result in peripheral neuropathies.		
LD 50 of Product:	N/Av.	LC 50 of Product:	N/E
Irritancy of Product:	Eye & skin irritant	Exposure Limits of Product:	See section II
Sensitization of Product:	N/Av.	Toxicologically Synergistic Materials:	N/Av.

--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY

Methylene chloride has been listed as potential carcinogenic by IARC.

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Chemical resistant gloves	Eye(specify):	Safety glasses
Respiratory(specify):	NIOSH approved organic vapor mask	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 or mechanical ventilation required.		
Leak and Spill Procedure:	Remove all sources of ignition. Use inert absorbent with non-sparking tools. Avoid inhalation. Ventilate area. Prevent from entering sewer / water systems.		
Waste Disposal:	Dispose of in accordance with local, federal, and provincial regulations. Aerosol cans may be disposed of at local recycling depot		
Storage Requirements:	Store in cool, well ventilated area where temperature not to exceed 50°C.		
Handling Procedures and Equipment:	Do not puncture or incinerate container. Handle with care. Keep away from children.		

DSL listing	All components are listed in the inventory.		
NFPA30B/CNFC 3.3.5	Level 2		
TDG Classification:	Consumer Commodity		
WHMIS Classification:	Consumer Commodity	Complies with CCCR 2001	

SECTION VIII-FIRST AID MEASURES

Eye:	Flush thoroughly with clear water for at least 15 minutes. Consult a physician immediately.
Skin:	Remove contaminated clothing. Wash with soap and water. Consult doctor if irritation, rashes persist.
Inhalation:	Move patient to fresh air and restore breathing if required seek medical help if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. Call a physician 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 Prepared:	January 2, 2015	Kleen-Flo Tumbler Industries Limited

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

N/Av.: not available

N/Av.: not applicable

N/E: not established