

SECTION I-MATERIAL IDENTIFICATION AND USE

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|---------------------------|----------------------------------|-------------------------|------------------|
| Material Name/Identifier: | High Performance 2 Cycle Oil | Stock No. | 501 / 504 |
| Manufacturer's Name: | Kleen-Flo Tumbler Industries Ltd | Street Address: | 75 Advance Blvd. |
| City: | Brampton | Province: | Ontario |
| Postal Code: | L6T 4N1 | Emergency Phone #: | (905) 793-4311 |
| Chemical Name: | N. Ap (mixture) | Chemical Family: | N/A |
| Chemical Formula: | N. Ap (mixture) | Trade Names & Synonyms: | none |
| Material Use: | Lubricant | Molecular Weight: | N/Ap. |

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

| Hazardous Ingredients | C.A.S. | Approximate Concentration | LD50 Species & Route | LC50 Species & Route |
|--|------------|---------------------------|----------------------|----------------------|
| Solvent Naphtha (petroleum) heavy aliphatic | 64742-96-7 | 10 - 30% | > 8ml/kg rat-oral | >3800 mg/m3 , 4 hrs. |
| Solvent Naphtha (petroleum) heavy aromatic | 64742-94-5 | 1 - 5 | N/A | N/A |

SECTION III-PHYSICAL DATA FOR MATERIAL

| | | | |
|------------------------|---------|-------------------------------------|-------------------------------|
| Physical State: | Liquid | Odour/Appearance: | Petroleum odor, dark blue oil |
| Specific Gravity: | 0.86 | Odour Threshold(p.p.m.): | N/A |
| Boiling Point: | >315 oC | Evaporation Rate: | < 0.1 |
| Freezing Point: | <-39 oC | Solubility in Water: | negligible |
| % Volatile(by volume): | N/A | Vapour Pressure(mm)Hg: | 4.2 kPa at 20 oC |
| Vapour Density(Air=1): | N/A | Coefficient of Water/Oil Distribut: | N/E |
| pH | N/Ap. | | |

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

| | | | |
|------------------------------|---|-------------------------------------|---|
| Flammability Yes/No | Yes | If yes under which conditions?: | At or above flash point combustible liquid. |
| Auto Ignition Temperature: | N/A | Means of Extinction: | Water spray, dry chemicals, alcohol foam, Carbon dioxide |
| Flashpoint and Method: | > 65 oC PMcc | Hazardous Combustion Products: | Smoke, carbon monoxide, carbon dioxide under thermal decomposition. |
| Upper Flammable limit (%vol) | N/E | Lower Flammable Limit(% by volume): | N/E |
| Explosion Data: | Sensitivity of 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 agents. |
| Reactivity and under what conditions? | Avoid excessive heat, formation of vapor or mists. | | |
| Hazardous Decomposition Products: | Thermal decomposition may produce oxides of carbon and toxic gases | | |

N/E: not established

N.Ap.: not applicable

N/A: not available

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SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

| | | | |
|------------------------------|--|--|--|
| Route of Entry: ALL Routes | --SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION | | |
| Effects of Acute Exposure: | May cause eye irritation but will not damage eye tissue. Frequent or prolonged contact may irritate skin or cause rash. Small amount of this liquid drawn into the lungs from swallowing or vomiting may cause severe health effects (eg bronchopneumonia or pulmonary edema) | | |
| Effects of chronic exposure: | None known | | |

| | | | |
|--|---|--|---|
| LD 50 oral > 8g/kg | LC 50 > 3800 mg/m3 | | |
| Irritancy of Product: | Slight eye irritant | Exposure Limits of Product: stoddard solvent | 100 ppm |
| 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): | Rubber or plastic | Eye(specify): | Glass or plastic goggles |
| Respiratory(specify): | Not required | Clothing: | Not required |
| Respiratory Protection: | not required. | | |
| Engineering Controls: | No special controls required | | |
| Leak and Spill Procedure: | Eliminate all ignition sources, contain spills with absorbent materials. Prevent from entering sewer/water systems. | | |
| Waste Disposal: | Incinerate or consult local waste disposal services. | | |
| Storage Requirements: | Store in cool place. Keep lid on when not in use. Keep away from open flame or spark. | | |
| Handling Procedures and | | | |
| Equipment: | Handle all chemicals with care. Keep away from children. | | |
| DSL/TSCA | All components are on the list. | | |
| TDG Classification: | Not Regulated | | |
| WHMIS Classification: | Consumer Commodity bill c-70, section 12(f) exempts this item from WHMIS labelling requirements. | | |
| Hazard Rating: | (NFPA 704) Health 1, Flammability 1, Reactivity 0 | | |
| SECTION VIII-FIRST AID MEASURES | | | |
| Eye: | Flush with plenty of water for 15 minutes. Consult a physician. | | |
| Skin: | Wash with soap and water. If irritation persists consult a physician. | | |
| Inhalation: | Move patient to fresh air and restore breathing if required. Consult a physician. | | |
| Ingestion: | DO NOT INDUCE VOMITING since it is important no amount of the material should enter lungs (aspiration). K piration) | | |
| | Keep at rest. Get prompt medical attention. | | |
| SECTION IX-PREPARATION DATE OF M.S.D.S. | | | |
| Additional Info/Comments: | | Sources Used: | Handbook of poisoning by R.H. Dreisbach |
| Phone Number: | (905) 793-4311 | Prepared By: | Quality Control Laboratory |
| Date: | January 6, 2006. | | Kleen-Flo Tumbler Industries Limited |
| THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED | | | |
| N/A: not available | | N/E: not established | |