

SECTION I-MATERIAL IDENTIFICATION AND USE

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|---------------------------|----------------------------------|-------------------------|-------------------------------|
| Material Name/Identifier: | Choke & Carb Kleen | Stock No. | 820 |
| 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/Ap (mixture) | Chemical Family: | N/Ap (mixture) |
| Chemical Formula: | N/Ap (mixture) | Trade Names & Synonyms: | None |
| Material Use: | Cleaner, aerosol | Molecular Weight: | N/Ap (mixture) |

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

| Hazardous Ingredients | C.A.S. | Approximate Concentration | LD50 Species & Route | LC50 Species & Route |
|-----------------------|-----------|---------------------------|-----------------------|----------------------------|
| Diacetone Alcohol | 123-42-2 | 3-7% | 4000 mg/Kg rat-oral | N/E |
| Xylene | 1330-20-7 | 30-60% | 4300 mg/Kg rat-oral | 6350 ppm(4hr) rat-inh. |
| Ethyl Benzene | 100-41-4 | 5 - 10% | 5460mg/kg rat-oral | N/Av. |
| Acetone | 67-64-1 | 10 - 30% | >9750mg/kg rat-oral | N/E |
| Propane | 74-98-6 | 10 -30% | >5000mg/kg dermal-rab | N/A v. |
| Isobutane | 75-28-5 | 5 - 10% | N/Ap. | 142,000 ppm rat-inhal/4 hr |

SECTION III-PHYSICAL DATA FOR MATERIAL

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|-------------------------|-----------|-------------------------------------|-----------------------------------|
| Physical State: | liquid | Odour/Appearance: | benzol-like odour/clear colorless |
| Specific Gravity: | 0.8 - 0.9 | Odour Threshold(p.p.m.): | N/E |
| Boiling Point: | 139-168°C | Evaporation Rate: | >1 |
| Freezing point: | N/E | Solubility in Water: | negligible |
| % Volatile(by volume): | 99-100 | Vapour Pressure(mm)Hg: | 40-45 psig |
| Vapour Density (Air=1): | >1 | Coefficient of Water/Oil Distribut: | N/Av. |
| pH: | N/Av. | | |

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

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| Flammability Yes/No | Yes | If yes under which conditions?: Excessive heat & open flame, spark | |
| Auto Ignition Temperature: | 464°C | Means of Extinction: Dry chemical, foam, carbon dioxide | |
| Flashpoint and Method: | -18°C TCC (Lowest known Acetone) | Hazardous Combustion Prod: Hydrocarbon fumes, smoke | |
| | | carbon monoxide where combustion is incomplete. | |
| Flame extension: | >15 cm, but <100 cm | Flash back: Yes | |
| Upper Flammable limit, % vol. | 12.8 | Lower Flammable Limit (% by volume): | 1.1 |
| 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 Oxidizers |
| Reactivity and under what conditions? | Excessive heat, open flame , spark, storage in high temperature and unventilated area. | | |
| Hazardous Decomposition Products: | Hydrocarbon fumes and smoke, carbon monoxide where combustion is incomplete | | |

N/E: not established

N/Ap: Not applicable

N/Av.: not available

SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

| | | | |
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| Route of Entry: ALL Routes | --SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION | | |
| Effects of Acute Exposure: | May casue Dizziness, nausea, vomiting headache, weakness, eye/skin irritation | | |
| Effects of Chronic Exposure: | Solvents may cause defatting dermatitis | | |
| LD 50 of Product: | N/E | LC 50 of Product: | N/E |
| Irritancy of Product: | Eye & Skin Irritation | Exposure Limits of Product: | N/E |
| Sensitization of Product: | N/Av. | Toxicologically Synergistic Materials: | N/E |
| --CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY | | None known | |

Ethyl benzene has been listed as possible carcinogenic by IARC

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

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|---------------------------|---|--------------------------|----------------|
| Gloves(specify): | Chemical Resistant gloves | Eye (specify): | Safety Glasses |
| Respiratory(specify): | Organic Vapor Mask | Clothing: | Not Required |
| Respiratory Protection: | If used indoors or on a continuous basis, use of cartridge type(NIOSH Approved) respirator is recommended | | |
| Engineering Controls: | Local or mechanical Ventilation required. | | |
| Leak and Spill Procedure: | Remove all sources of ignition, use inert absorbent material, non-sparking tools. | | |
| Waste Disposal: | Dispose of in accordance with local, provincial, federal regulation | | |
| Storage Requirements: | Store in a cool, well ventilated area, temperature should not to exceed 50°C | | |
| Handling Procedures and | Do not puncture or incinerate containers, even when empty. Handle with care. Keep away from children. | | |
| Equipment: | Avoid skin, eye conatct. Do not inhale or ingest. | | |
| DSL | All ingredients are listed on DSL. | | |
| NFPA30B/CNFC 3.3.5 | Level 3 | | |
| TDG Classification: | Consumer Commodity | | |
| WHMIS Classification: | Consumer Commodity | Complies With CCCR 2001. | |

SECTION VIII-FIRST AID MEASURES

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| Eye: | Flush with water for at least 15 minutes. Seek medical help immediately if irritation persists. |
| Skin: | Flush immediately and thoroughly with soap and water. Contact doctor if rash, irritation persist. |
| Inhalation | Move patient to fresh air and restore breathing if required. See doctor 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: | Janauary 2, 2015. | Kleen-Flo Tumbler Industries Limited |

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