Canadian Tire Corporation, Limited
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PRODUCT: Motomaster Carburetor and Choke Cleaner - 312 g **CODE: CT-250720**

SECTION 01: IDENTIFICATION

Product Item Numbers.....	CT-250720
Product Identity.....	Motomaster Carburetor and Choke Cleaner - 312 g
Manufacturer.....	Empack Spraytech Inc. 98 Walker Drive Brampton Ontario Canada L6T 4H6 905-792-6571
24 hour emergency telephone number.....	In Canada: Call CANUTEC (613) 996-6666 - In The United States: Call CHEMTREC (800) 424-9300.
Recommended Use.....	Lubricant.
Chemical Family.....	Mixture.

SECTION 02: HAZARD IDENTIFICATION

Label Elements:

Signal Word..... DANGER.

Hazard Classification:

Physical Hazards..... Flammable Aerosols - Category 1. Gases Under Pressure - Liquefied Gas.

Health Hazards..... Aspiration Hazard - Category 1. Skin Irritation - Category 2. Eye Irritation - Category 2A. Carcinogenicity - Category 2. Reproductive Toxicity - Category 2. Specific Target Organ Toxicity, Single Exposure - Category 3.

Environmental Hazards..... Not Classified.

Hazard Statement..... H222:Extremely flammable aerosol (1). H229:Pressurized container: may burst if heated (1). H280:Contains gas under pressure; may explode if heated (L). H304:May be fatal if swallowed and enters airways. H315:Causes skin irritation. H319:Causes serious eye irritation. H351:Suspected of causing cancer. H361:Suspected of damaging fertility or the unborn child. H336:May cause drowsiness or dizziness. H335:May cause respiratory irritation.

Precautionary Statements:

Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211:Do not spray on an open flame or other ignition source. P251:Do not pierce or burn, even after use. P264:Wash hand thoroughly after handling. P261:Avoid breathing dust/fume/gas/mist/vapours/spray. P271:Use only outdoors or in a well-ventilated area. P202:Do not handle until all safety precautions have been read and understood. P201:Obtain special instructions before use. P280:Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response..... P301+P310:IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331:Do NOT induce vomiting. P302+P352:IF ON SKIN: Wash with plenty of water. P332+P313:If skin irritation occurs: Get medical advice/attention. P362+P364:Take off contaminated clothing and wash it before reuse. P321:For specific treatment see section 4 on this SDS. P337+P313:If eye irritation persists: Get medical advice/attention. P305+P351+P338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312:Call a POISON CENTER if you feel unwell. P308+P313:If exposed or concerned: Get medical advice/attention.

Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. P410+P403:Protect from sunlight. Store in a well-ventilated place. P405: Store locked up. P403+P233:Store in a well-ventilated place. Keep container tightly closed.

Disposal..... P501:Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

Hazard(s) not otherwise classified (HNOC) None Known.

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SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Xylene	1330-20-7	30-60
Acetone	67-64-1	30-60
Propane	74-98-6	10-30
Isobutane	75-28-5	5-10
Diacetone Alcohol	123-42-2	5-10
Ethylbenzene	100-41-4	3-7

SECTION 04: FIRST-AID MEASURES

Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.

Skin Contact..... Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Consult a poison control centre or physician immediately.

Eye Contact..... Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.

Ingestion..... Ingestion is unlikely to occur. If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention.

Most important symptoms/effects, acute .. and delayed: Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media..... Dry chemical powder. Carbon dioxide. Foam, water spray or fog.

Unsuitable Extinguishing Media..... Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Chemical: In case of fire, the following can be released: Carbon Oxides (CO, CO2), Other unidentified Organic Compounds.

Special Protective Equipment and ..... Precautions for Firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

General Fire Hazards..... Extremely flammable aerosol.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective ..... Equipment and Emergency Procedures: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid walking through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).

Methods and Materials for Containment .. and Cleaning Up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Environmental Precautions..... Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling..... Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged exposure. Use in well-ventilated areas.

Conditions for Safe Storage including any Incompatibilities: Store locked up. Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10).

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL PEL	OSHA PEL STEL	NIOSH REL
Xylene	50 ppm	150 ppm	100 ppm (435 mg/m3)	Not established	Not established
Acetone	250 ppm	500 ppm	1,000 ppm (2,400 mg/m3)	Not available	Not available
Propane	Not available	Not available	1,000 ppm	Not available	Not available
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available
Diacetone Alcohol	50 ppm	Not available	50 ppm (240 mg/m3)	Not available	Not available
Ethylbenzene	100 ppm	125 ppm	100 ppm (435 mg/m3)	Not established	100 ppm (435 mg/m3) / STEL 125 ppm

Appropriate Engineering Controls..... Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.

Individual Protection Measures:
Eye/Face Protection..... Chemical splash goggles are recommended.
Skin Protection..... Chemical resistant gloves are recommended. Avoid contact with the skin. Wear appropriate chemical resistant clothing.
Respiratory Protection..... Use dust and mist respirator.
Thermal Hazards..... None Known.
General Hygiene Considerations..... When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Form..... Aerosol.
Physical Appearance..... Clear liquid.
Odor..... Hydrocarbons.
Odor Threshold (ppm)..... N/A.
Aerosol Vapour Pressure (psig, 21°C)..... 60-80.
pH..... Not applicable.
Specific Gravity (Aerosol)..... 0.750-0.850.
Melting/Freezing Point (°C)..... N/A.
Solubility in water..... N/A.
Boiling Point liquid (°C)..... 56°C (133°F). (Acetone).
Evaporation Rate (n-Butyl Acetate = 1)..... Not available.
Vapour Density (Air=1)..... >1.
Flashback..... N/A.
Auto Ignition Temperature (°C)..... 385 - 470°C (725 - 878°F). (Acetone).
Flash Point (°C), Method..... 26-29. (Xylene).
Aerosol Flame Projection..... N/A.
Coefficient of Water/Oil Distribution..... N/A.
Lower Flammable Limit (% Vol)..... 2.0. (Propane).
Upper Flammable Limit (% Vol)..... 9.5. (Propane).
VOC Content..... Not available.
Viscosity..... No data.

SECTION 10: STABILITY AND REACTIVITY

Reactivity ..... Product not reactive under normal conditions of use.
Chemical Stability..... Material is stable under normal conditions.
Possibility of Hazardous Reactions..... Will not occur.
Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.
Incompatible Materials..... Keep away from heat. Strong oxidizing agents.
Hazardous Decomposition Products..... See Section 05.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Xylene	27.6 mg/L (Rat - 4 hrs)	3,253 mg/kg (Oral - Rat); 12,180 mg/kg (Dermal - Rabbit)

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SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Acetone	71 mg/L (Rat - 4 hrs)	5,800 mg/kg (Oral - Rat); >15,800 mg/kg (Dermal - Rabbit)
Propane	658 mg/L (Rat - 4 hrs)	Not available
Isobutane	658 mg/L (Rat - 4 hrs)	Not available
Diacetone Alcohol	>8.84 mg/L (Rat - 4hrs)	2,738-3,920 mg/kg (Oral - Rat); 12,648-14,415mg/kg (Dermal - Rabbit)
Ethylbenzene	4000 ppm (Rat - 4 hrs)	3,500 mg/kg (Rat - Oral); 17,800 mg/kg (Dermal - Rabbit)

Information on Likely Routes of Exposure:

Routes of entry - Inhalation..... Yes.
Routes of entry - Skin & Eye..... Yes.
Routes of entry - Ingestion..... Yes.
Routes of entry - Skin Absorption..... Yes.
Symptoms Related to the Physical, ... Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred
Chemical and Toxicological Characteristics vision. Defatting of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Acute Toxicity..... Harmful or fatal if swallowed. Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, vomiting and unconsciousness.
Skin Corrosion/Irritation..... Can cause moderate irritation, defatting and dermatitis.
Serious Eye Damage/Eye Irritation..... Causes serious eye irritation.
Respiratory or Skin Sensitization..... May cause sensitization by skin contact. Inhalation may cause respiratory tract irritation.
Germ Cell Mutagenicity..... No information is available, and no adverse effects are expected.
Carcinogenicity..... Xylene (CAS#: 1330-20-7): ACGIH A4 Not Classified as a human carcinogen; IARC 3 Not classifiable as to carcinogenicity to humans. Ethylbenzene (CAS#: 100-41-4): IARC: Group 2B (Possibly Carcinogenic to Humans); ACGIH: Group A3 (Confirmed Animal carcinogen with unknown relevance to humans).
Reproductive Toxicity..... High level exposure to Xylene in some animal studies have been reported to cause health effects on the developing embryo/fetus.
STOT - Single Exposure..... Specific target organ toxicity single exposure Category 3. May cause drowsiness and dizziness.
STOT - Repeated Exposure..... No data available .
Aspiration Hazard..... Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.
Chronic Effects..... Organic solvents may be absorbed into the body by inhalation and ingestion and cause permanent damage to the nervous system, including the brain. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment. This product contains the following substance which may also be hazardous for the environment:. Acetone (CAS#: 67-64-1): Toxicity to fish: LC50 >100 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 10294 mg/L, 48 hrs; Toxicity to algae: not available . Xylene (CAS#:1330-20-7): Toxicity to fish: 780.0 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: EC50 0.8 mg/L , 48 hrs; Toxicity to algae: EC50 10.0mg/L.
Persistence and degradability ..... The product itself has not been tested.
Bioaccumulation Potential..... The product itself has not been tested.
Mobility in Soil..... The product itself has not been tested.
Other Adverse Effects..... None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial and federal regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty.
DOT (US-Road)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty., Consumer Commodity ORM-D.
IMDG (International- Marine)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty.
IATA (International- Air)..... UN1950, AEROSOLS, Class 2.1, Ltd. Qty.

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SECTION 15: REGULATORY INFORMATION

Canada Regulations:.....	Refer to Section 2 for a WHMIS 2015 Classification for this product.
Canadian Environmental Protection Act (CEPA) ...	All ingredients listed appear on the Domestic Substances List (DSL).
US Regulations.....	Environmental Protection Act: Constituents of this product are included on the TSCA inventory. This product is considered hazardous under the OSHA Hazard Communication Standard.

SECTION 16: OTHER INFORMATION

Disclaimer.....	The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
Abbreviations.....	ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.
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