

MATERIAL SAFETY DATA SHEET

Trade Name: Johnsens Carburetor & Metal Parts Cleaner
MSDS NO. 2111
Revision Date: 06/15/2005
Date Printed 12/30/2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens Carburetor & Metal Parts Cleaner
Chemical Family: SOLVENTS
Synonyms: None
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300

Supplier: Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	OSHA TWA	OSHA STEL	OSHA SKIN
Methylene Chloride 75-09-2	20-30	25 ppm	125 ppm	Can be absorbed through the skin.
Xylene 1330-20-7	15-25	Not Listed	Not Listed	Not Listed
Cresylic Acid 1319-77-3	10-20	Not Listed	Not Listed	Not Listed
Halso 99 95-49-8	0-10	Not Listed	Not Listed	Not Listed
Tall Oil 8002-26-4	0-10	Not Listed	Not Listed	Not Listed
Potassium Hydroxide 1310-58-3	0-5	Not Listed	Not Listed	Not Listed
Ethyl benzene 100-41-4	0-5	Not Listed	Not Listed	Not Listed

Component	Weight %	OSHA Z PEL	OSHA Z TWA	OSHA Z Ceiling
Methylene Chloride 75-09-2	20-30	Not Listed	Not Listed	Not Listed
Xylene 1330-20-7	15-25	Not Listed	Not Listed	Not Listed
Cresylic Acid 1319-77-3	10-20	22 mg/m ³ 5 ppm	22 mg/m ³ 5 ppm	Not Listed
Halso 99 95-49-8	0-10	Not Listed	250 mg/m ³ 50 ppm	Not Listed
Tall Oil 8002-26-4	0-10	Not Listed	Not Listed	Not Listed
Potassium Hydroxide 1310-58-3	0-5	Not Listed	Not Listed	2 mg/m ³
Ethyl benzene 100-41-4	0-5	435 mg/m ³ 100 ppm	435 mg/m ³ 100 ppm	Not Listed

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Component	ACGIH TLV TWA	ACGIH TLV STEL	ACGIH TLV Ceiling
Methylene Chloride 75-09-2	50 ppm	Not Listed	Not Listed
Xylene 1330-20-7	100 ppm	Not Listed	Not Listed
Cresylic Acid 1319-77-3	5 ppm	Not Listed	Not Listed
Halso 99 95-49-8	50 ppm	Not Listed	Not Listed
Tall Oil 8002-26-4	Not Listed	Not Listed	Not Listed
Potassium Hydroxide 1310-58-3	Not Listed	Not Listed	2 mg/m ³
Ethyl benzene 100-41-4	100 ppm	125 ppm	Not Listed

3. HAZARDS IDENTIFICATION

Emergency Overview:

Danger: Extremely flammable, corrosive. WARNING: POSSIBLE CANCER HAZARD Harmful if swallowed. May be fatal if swallowed. Causes severe respiratory irritation. Do not inhale vapors. Heating forms hazardous vapor. Concentrated vapor in confined areas may be fatal. Exposure increases Carbon Monoxide level of blood. OSHA required periodic vapor monitoring whenever Methylene Chloride vapors may exceed the action level (12.5 parts per million). Causes severe eye burns. Causes severe skin burns. Possible redness and defatting may result from prolonged skin exposure to this material. Drinking alcohol shortly before, during or after use can cause unwanted effects. POISONOUS! KEEP AWAY FROM FOOD.

HMIS Classification: NFPA Rating:

Health: *3 Flammability: 3 Physical Hazard: 2
Health: 3 Flammability: 3 Reactivity: 1

4. FIRST AID MEASURES

Eye Contact:

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Ingestion:

If swallowed, DO NOT induce vomiting. Have patient lie down and keep warm. Vomiting may lead to severe damage to esophagus which may be fatal. Give large amounts of water. Give at least one ounce of milk of magnesia or aluminum hydroxide gel in an equal amount of water. If unavailable, give the white of 2 or 3 eggs. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN. PHYSICIAN: Give oxygen until recovery. Do not give patient sympathomimetic amines such as epinephrine, which can cause arrhythmias.

Inhalation:

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Skin Contact:

Wash with soap and water. Remove contaminated clothing and shoes, and launder before reuse. Remove contaminated shoes and discard. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point °F(°C): 81 F (Lowest Component)
Flash Point Method: TAG Closed Cup
Flammable Limits in Air - Lower (%): 1% (Lowest Component)
Flammable Limits in Air - Upper (%): Not Determined
Autoignition Temperature °F(°C): 650 F (Lowest Component)
Extinguishing Media: Carbon dioxide. Foam. Use water spray to keep containers cool that are exposed to heat or flames.
Protection Of Fire-Fighters:

Special Fire-Fighting Procedures:

Vapor may cause flash fire. Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Do not enter confined fire-space without full bunker gear. Closed containers may explode if exposed to extreme heat.

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5. FIRE FIGHTING MEASURES

Hazardous Combustion Products: Carbon Monoxide. Carbon Dioxide. Hydrogen Chloride, Phosgene, Carbon Oxides, potassium Oxide and Hydroxide.
Aerosol Comments: Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact. Wear OSHA standard full face shield. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.
Spill Procedures: Only trained and qualified personel should handle any spilled or leaked product.
Action to be taken if material is released or spilled: Wear proper protective equipment as specified in the protective equipment section. Remove sources of ignition. Increase area ventilation. Persons not trained should evacuate area. Stop spill at source. Dike area and contain. Neutralize with soda ash and dilute with plenty of water. Pump spilled liquid and put contaminated soil in DOT approved containers for disposal. Label immediately. Clean up remainder with absorbent materials. Wet down with plenty of water and remove immediately.
Environmental Precautions: Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

7. HANDLING AND STORAGE

Handling and Storage: Keep container closed when not in use. Avoid contact with skin and eyes. Use only in a well ventilated area. Do not inhale vapors. Do not reuse this container. Danger: Extremely flammable. Keep away from food and smoking materials. Wash hands before eating and smoking. Isolate from oxidizers, alkalis, heat, sparks, electric equipment and open flame. Wear OSHA Standard full face shield. Wear gloves, apron and footwear impevious to this materal. Ground containers when trasferring. Do not flame, cut, saw, drill, braze or weld. Drinking alcohol shortly before, during or after use can cause unwanted effects. Open container cautiously. Store upright in a cool place below 35°C (100°F).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Showers. Eyewash stations. Use in a well ventilated area.
Eyes: Face shield. Wear safety glasses or goggles to protect against exposure.
Skin Protection: Avoid skin contact. Wear protective clothing and gloves. Use OSHA Standard full face shield. Launder contaminated clothing before reuse.
Respiratory Protection: Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. Use in a well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless to slightly discolored solution
Odor: CHLORINATED SOLVENT
pH Value: 14
Vapor Pressure: 97.6 mm of Hg @ 20 C
Vapor Density (Air=1): 1.9 (air=1)
Boiling Point (°F): 120-410 F
Melting/Freezing Point: Not determined.
Solubility in Water: APPRECIABLE
Bulk Density at 20°C: Not Determined
Molecular Weight: Mixture
Specific Gravity (H2O=1): 1.131 @ 60 F
Viscosity: Not determined.
Evaporation Rate: Not Determined
VOC Content(%): 75% (TVOC), Nonexempt 47.5% (CVOC)
Decomposition Temperature: Not Known

10. STABILITY AND REACTIVITY

Chemical Stability: Stable but reacts with most metals producing hydrogen which is extremely flammable and may explode.
Conditions to Avoid: Keep away from heat, sparks and flame. Electronic equipment.
Materials to Avoid: Alkalies. Amines. Non-Resistant Metals. Contact with oxidizing agents.

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10. STABILITY AND REACTIVITY

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Phosgene. Hydrogen chloride. Potassium oxide Hydroxide. Chromium oxide Oxides of sodium.
Hazardous Polymerization: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Component	Route	Species	Dose
Methylene Chloride 75-09-2	Oral	Rats	LD50 1600 mg/kg
Xylene 1330-20-7	Inhalation	Rats	LC50 5000 ppm
Cresylic Acid 1319-77-3	Oral	Rats	LD50 1454 mg/kg
Halso 99 95-49-8	Oral	Rats	3900 mg/kg
Tall Oil 8002-26-4	Inhalation	Rats	Not known.
Potassium Hydroxide 1310-58-3	Oral	Rats	LD50 273 mg/kg
Ethyl benzene 100-41-4	Oral	Rats	LD50 3500 mg/kg

Carcinogenicity:

Component	IARC	NTP	OSHA
Methylene Chloride 75-09-2	Group 2B (Possible carcinogenic to humans)	Listed - Suspect Carcinogen	Possible Select Carcinogens
Xylene 1330-20-7	Group 3 (not classifiable)	Not Listed	Not Listed
Cresylic Acid 1319-77-3	Not Listed	Not Listed	Not Listed
Halso 99 95-49-8	Not Listed	Not Listed	Not Listed
Tall Oil 8002-26-4	Not Listed	Not Listed	Not Listed
Potassium Hydroxide 1310-58-3	Not Listed	Not Listed	Not Listed
Ethyl benzene 100-41-4	Group 2B (Possible carcinogenic to humans)	Not Listed	Possible Select Carcinogens

12. ECOLOGICAL INFORMATION

Remarks: Ecological testing has not been conducted on this product.

13. DISPOSAL CONSIDERATION

Waste Classification: Not determined.
Waste Management: Not determined.
Disposal Method: Disposal should be made in accordance with federal, state and local regulations. The emptied non-returnable containers should not be reused. Even when emptied and rinsed, these containers retain product residue for which the label warnings still should be followed.

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14. TRANSPORTATION INFORMATION

U.S. DOT:
 Proper Shipping Name: Flammable Liquids, Toxic, n.o.s.
 Hazard Class: 3
 UN/NA Number: UN 1992
 DOT Packing Group: PG III

IMDG:
 Proper Shipping Name: Flammable Liquids, Toxic, n.o.s.
 Hazard Class: 3
 Hazard Subclass: Not determined.
 UN No.: UN 1992
 Packing Group: PG III
 Marine Pollutant: Yes

15. REGULATORY INFORMATION

US Federal Regulations:

Component	SARA 313	SARA 302	TPQ	RQ
Methylene Chloride 75-09-2	Listed.	Not Listed	Not Listed	Not Listed
Xylene 1330-20-7	Listed.	Not Listed	Not Listed	Not Listed
Cresylic Acid 1319-77-3	Listed.	Not Listed	Not Listed	Not Listed
Halso 99 95-49-8	Not Listed	Not Listed	Not Listed	Not Listed
Tall Oil 8002-26-4	Not Listed	Not Listed	Not Listed	Not Listed
Potassium Hydroxide 1310-58-3	Not Listed	Not Listed	Not Listed	Not Listed
Ethyl benzene 100-41-4	Listed.	Not Listed	Not Listed	Not Listed

SARA 311/312 Hazard Categories: Accute Health, Chronic Health, Fire

State Regulations:

Component	California Prop. 65 Cancer list	California - Prop 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Methylene Chloride 75-09-2	Listed: April 1, 1988 Carcinogenic.	Not Listed	Not Listed	Not Listed
Xylene 1330-20-7	Not Listed	Not Listed	Not Listed	Not Listed
Cresylic Acid 1319-77-3	Not Listed	Not Listed	Not Listed	Not Listed
Halso 99 95-49-8	Not Listed	Not Listed	Not Listed	Not Listed
Tall Oil 8002-26-4	Not Listed	Not Listed	Not Listed	Not Listed
Potassium Hydroxide 1310-58-3	Not Listed	Not Listed	Not Listed	Not Listed
Ethyl benzene 100-41-4	Listed: June 11, 2004 Carcinogenic.	Not Listed	Not Listed	Not Listed

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Component	New Jersey Right-to-Know List:
Methylene Chloride 75-09-2	Substance no. 2995 Substance no. 1255
Xylene 1330-20-7	Substance no. 2014
Cresylic Acid 1319-77-3	Substance no. 0537
Halso 99 95-49-8	Substance no. 0416 Substance no. 1425
Potassium Hydroxide 1310-58-3	Substance no. 1571
Ethyl benzene 100-41-4	Substance no. 0851 Substance no. 2422 Substance no. 2423 Substance no. 2425 Substance no. 2426 Substance no. 2427 Substance no. 2428 Substance no. 2429 Substance no. 2430

U.S. TSCA: The components of this product are listed on the TSCA Inventory.
Canadian Inventory: One or more components of this product is not listed on the Canadian DSL or NDSL Inventory.
Carcinogenicity: California Proposition 65: This product contains the following chemicals known to the State of California to cause cancer: Methylene Chloride CAS: 75-09-2

Consumer Product Safety Improvement Act of 2008 General Conformity Certification

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

16. OTHER INFORMATION

General Notes:
Disclaimer: Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system. The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.