

MSDS - Material Safety Data Sheet**Product Name: CARB MEDIC (UPC: 078698134819)****MSDS No.: M4814****I. Basic Information:**

Manufacturer: RADIATOR SPECIALTY COMPANY
Address: 600 RADIATOR ROAD
City, ST Zip: INDIAN TRAIL, NC 28079
Country:

Contact: Robert Geer
Information Telephone Number: 704-684-1811
Emergency Contact: Rocky Mountain Poison Control Center
Emergency Telephone Number: 303-623-5716
Emergency Restrictions:

Product Name: CARB MEDIC (UPC: 078698134819)
MSDS No.: M4814

Issue Date: 03/04/2008
Supersedes Date: 06/16/2003

II. Hazards Identification:**EMERGENCY OVERVIEW**

Danger: Harmful or fatal if swallowed. Vapor harmful. Eye and skin irritant. Flammable. Contents under pressure.

Level 2 Aerosol

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects**Route(s) of Entry:**

Ingestion, Inhalation, eye and skin contact.

Health Hazards (Acute and Chronic):

Overexposure to this material has been suggested as a cause of the following effects in humans: central nervous system effects, cardiac sensitization, and kidney damage.

Signs and Symptoms:

Eye Contact: Direct spray or vapors will irritate and may harm eyes

Skin Contact: Product may cause irritation due to defatting of skin.

Inhalation: High concentrations of vapors may irritate nose and throat and cause symptoms of intoxication such as dizziness, nausea, headache, or indigestion.

Ingestion: Causes irritation, narcosis, and liver and kidney damage.

Medical Conditions Generally Aggravated by Exposure:

Exposure to this material may aggravate any pre-existing condition sensitive to a decrease in available oxygen, such as chronic lung disease, coronary artery disease or anemias. Individuals with pre-existing heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

Other Health Warnings:

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Carbon dioxide	124-38-9	1.0 - 5.0	
Dichloromethane	75-09-2	40.0 - 70.0	
Ethylbenzene	100-41-4	1.0 - 5.0	
Toluene	108-88-3	15.0 - 40.0	
Xylene (mixed isomers)	1330-20-7	15.0 - 40.0	

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Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids. Get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing becomes difficult give oxygen and get prompt medical attention. If breathing stops, give artificial respiration and get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately. Aspiration of vomitus into the lungs can cause pneumonitis, which can be fatal.

Note to Physicians:

N/E

V. Fire Fighting Measures:**Suitable Extinguishing Media:**

Foam, Dry Chemical (B-C), Carbon Dioxide, water fog or mist.

Unsuitable Extinguishing Media:

Do not use water or any Extinguisher rated only A. An exception is listed above.

Products of Combustion:

May form carbon dioxide, carbon monoxide, chlorine, hydrogen chloride, phosgene, and various hydrocarbons.

Protection of Firefighters:

Wear self-contained positive pressure breathing apparatus and protective clothes. Use shield to protect from rupturing and venting containers. At elevated temperatures containers may vent, rupture or burst, even violently

VI. Accidental Release Measures:**Personal Precautions:**

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental Precautions:

Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred. Run off to sewer may create fire or explosion hazard.

Methods for Containment:

Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc).

Methods for Cleanup:

Using a non-metallic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material.

Other Information:

All equipment used with handling the concentrate must be grounded. If run-off occurs, notify proper authorities as required that a spill has occurred.

VII. Handling and Storage:**Handling Precautions:**

Use with adequate ventilation and proper protective equipment. Do not use and keep away from fire, sparks, or open flame. Do not puncture or incinerate container. Do not store above 120°F. Exposure to temperatures above 120° may cause container to vent, rupture, or burst.

Storage Precautions:

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. KEEP AWAY FROM CHILDREN AND ANIMALS!

VIII. Exposure Controls/Personal Protection:

MSDS - Material Safety Data Sheet**Product Name: CARB MEDIC (UPC: 078698134819)****MSDS No.: M4814**

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Toluene	100 PPM	100 PPM	Not Available
Xylene (mixed isomers)	100 ppm	100 ppm	Not Available
Ethylbenzene	100 ppm	100 ppm	Not Available
Dichloromethane	25 ppm (TWA)	25 ppm (TWA)	Not Available
Carbon dioxide	N/AV	5000 ppm	Not Available

Engineering Controls:

See Section 2 for applicable exposure limits. Maintain adequate ventilation. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above TLV limits.

Personal Protective Equipment:

See Section 2 for applicable exposure limits. For prolonged exposure wear protective safety glasses, gloves, and apron. See above for respirator use.

IX. Physical and Chemical Properties:

Boiling Point: 102°F	Melting Point: N/A
Boiling Range: No Data	Freezing Point: No Data
Solubility in Water: Insoluble	Evaporation Rate (Butyl Acetate = 1): < 1.0
Flash Point: No data	Flash Point Method: TCC
Odor Threshold: N/E	Appearance and Odor: Clear liquid with solvent odor.
Vapor Density (AIR = 1): > 1.0	Vapor Pressure (mm Hg.): 355.0
pH Range: N/A	Partition Coefficient: N/D
Decomposition Temp: N/D	Auto-Ignition Temp: N/D
Lower Explosive Limit: 1.0%	Upper Explosive Limit: 23.0%
Specific Gravity (H2O = 1): 1.12	
Other Information: % Volatiles by Wt: 100%	
Solubility in Solvent: Complete	
VOC Content: 44%	

X. Stability and Reactivity:**Stability:**

Product is stable

Conditions to Avoid:

See Incompatible Material below.

Incompatible Materials:

Avoid contact with strong oxidizers, strong alkalis, strong acids, amines, reactive metals such as aluminum and magnesium.

Hazardous Decomposition Products:

May form carbon dioxide, carbon monoxide, chlorine, hydrogen chloride, phosgene, and various hydrocarbons.

Possibility of Hazardous Reactions:

Will not occur.

XI. Toxicological Information:

Methylene Chloride is listed by IARC, NTP, and OSHA. Laboratory animals exposed to high levels of Methylene Chloride in lifetime studies have developed cancer. There is no evidence to date that Methylene Chloride causes cancer in humans.

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No data available.

XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in aerosol recycling centers when empty. Before offering for recycling, empty the can by using the product according to the label. DO NOT PUNCTURE! If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations.

XIV. Transport Information:**Shipping Name:** Not Available**DOT Hazard Class:** Not Available**DOT Subsidiary Hazard Class:** Not Available**UN/NA#:** Not Available**Packing Group:** Not Available**Transportation Information:**

DOT Hazard Class: ORM-D

Shipping Name: Consumer Commodity

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for international and air shipping purposes.

ICAO/IATA (US)
Shipping Name: Aerosols
Class: 2.1 (6.1)
UN number: UN1950

International:

ICAO/IATA
UN number: UN 1950
Shipping Name: Aerosols
Class: 2.1 (6.1)

IMDG
UN number: UN1950
Shipping Name: Aerosols
Class: 2.1 (6.1)
EmS: F-D, S-U

XV. Regulatory Information:

See Section 2 for SARA Reportable Chemicals.

USA TSCA: All components of this material are listed on the US TSCA Inventory.

Warning: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

New Jersey and Pennsylvania RTK Label Information:

Methylene Chloride:	CAS# 75-09-2
Toluene:	CAS# 108-88-3
Xylene:	CAS# 1330-20-7
Ethyl Benzene	CAS# 10-41-4

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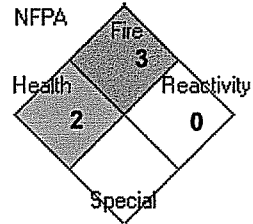
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XVI. Other Information:

Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture

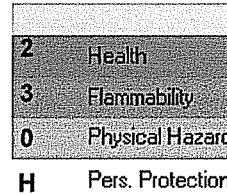
Hazard Category:
 Acute Chronic Fire
 Pressure Reactive



Additional Manufacturer Warnings:

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. **KEEP AWAY FROM CHILDREN AND ANIMALS!**

N/E: Not Established
 N/D: Not Determined
 N/A: Not Applicable
 N/AV: Not Available



Additional Product Information:

While Radiator Specialty Company believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.