

HEALTH: 2  
 FLAMMABILITY: 3  
 REACTIVITY: 0

# MSDS - Material Safety Data Sheet

**Product Name:** CARB MEDIC

MSDS No.: M4814

## I. Basic Information:

**Manufacturer:** RADIATOR SPECIALTY COMPANY  
**Address:** P.O. BOX 159, 600 RADIATOR ROAD  
**City, ST Zip:** INDIAN TRAIL, NC 28079  
**Emergency Contact:** Rocky Mountain Poison Control Center  
**Emergency Telephone Number:** 303-623-5716  
**Contact:** Robert Geer  
**Information Telephone Number:** 704-688-3430



**Last Update:** 06/16/2003

**Chemical State:**  Liquid  Gas  Solid  
**Chemical Type:**  Pure  Mixture

2	Health
3	Flammability
0	Reactivity
H	Pers. Protection

## II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
124389	Carbon dioxide	1.0 - 5.0							NAV	5000 ppm	
75092	Dichloromethane	40.0 - 70.0					X		25 ppm	50 ppm	
100414	Ethylbenzene	1.0 - 5.0					X		100 ppm	100 ppm	
108883	Toluene	15.0 - 40.0					X		100 PPM	100 PPM	
1330207	Xylene (mixed isomers)	15.0 - 40.0					X		100 ppm	100 ppm	

## III. Hazardous Identification:

**Hazard Category:**

Acute  Chronic  Fire  Pressure  Reactive

**Hazardous Identification Information:**

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

Level 2 Aerosol

## IV. First Aid Measures:

**Route(s) of Entry:**

Ingestion, Inhalation, eye and skin contact.

**Health Hazards (Acute and Chronic):**

See Signs and Symptoms below

**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: May cause blindness if swallowed. Causes irritation, narcosis, and liver and kidney damage.

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## 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.

## Emergency and First Aid Procedures:

**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.

## Other Health Warnings:

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

## V. Fire Fighting Measures:

**Flash Point:** N/A

**Lower Explosive Limit:** 1.0%

**Upper Explosive Limit:** 23.0%

**F.P. Method:** TCC

**Fire Extinguishing Media:** Foam, Dry Chemical (B-C), Carbon Dioxide, water fog

## Special Fire Fighting Procedures:

Wear self-contained, positive pressure breathing apparatus and protective clothing. Use water fog to keep container cool.

Protect from venting, rupturing, and bursting containers.

## Unusual Fire and Explosion:

At temperatures above 120°F, containers may vent, rupture, or burst, even violently. Contents under pressure. Do not use near fire, sparks, or flame. Contents under pressure. At elevated temperatures, container may vent, rupture, or burst violently. Vapors of this product may present a future health hazard in poorly ventilated areas. May liberate corrosive hydrochloric acid or toxic phosgene fumes.

## VI. Accidental Release Measures:

### Steps to be Taken in Case Material is Released or Spilled:

Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc). 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. 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.

## VII. Handling and Storage:

### Precautions to be Taken:

Use with adequate ventilation and proper protective equipment.

Do not use or store near fire, sparks, or open flame. Do not puncture or incinerate container. Exposure to temperatures above 120° may cause container to vent, rupture, or burst.

### Other Precautions:

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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:**

### **Ventilation Requirements:**

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.

## **IX. Physical and Chemical Properties:**

**Boiling Point:** 102°F

**Melting Point:** N/A

**Evaporation Rate (Butyl Acetate = 1):** < 1.0

**Vapor Pressure (mm Hg.):** 355.0

**Specific Gravity (H2O = 1):** 1.12000

**Vapor Density (AIR = 1):** > 1.0

**Solubility In Water:** Insoluble

**Appearance and Odor:** Clear liquid with solvent odor.

**Other Information:** % Volatiles by Wt: 100%

Solubility in Solvent: Complete

VOC Content: 44%

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

### **Stability:**

Product is stable

### **Incompatibility (Materials to Avoid):**

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

### **Decomposition/By Products:**

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

### **Hazardous Polymerization:**

Will not occur.

## **XI. Toxicological Information:**

No data available

## **XII. Ecological Information:**

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.

# *MSDS - Material Safety Data Sheet*

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## **XIV. Transport Information:**

DOT Hazard Class: ORM-D  
Shipping Name: Consumer Commodity

## **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

## **XVI. Other Information:**

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in caso 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

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