

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 08/28/2009

Reviewed on 08/28/2009

1 Identification of substance

Trade name: CARB RENEW SILVER
Product codes: 10047Z
Manufactured for: The Easthill Group
 DbA The Eastwood Company
 263 Shoemaker Road
 Pottstown, PA 19464
 USA and Canada: 800-345-1178
 Outside USA: (610)-323-2200
Information department: Health & Safety Department
Emergency information: Chemtrec 1-800-434-9300

2 Composition/Data on components



Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:

67-64-1	Acetone	39.54%
108-88-3	Toluene	11.32%
1330-20-7	xylene (mix)	9.38%
2807-30-9	Glycol Ether EP	7.64%
64742-89-8	VM&P Naphtha	2.83%
100-41-4	ethyl benzene	2.33%
7429-90-5	aluminium powder (stabilised)	2.02%
64742-47-8	Mineral Spirits	1.15%

Additional information: For the wording of the listed risk phrases refer to section 3.

3 Hazards identification

Hazard description:   Harmful
Flammable

Physical dangers: Flammable liquid and vapor. Keep away from heat, sparks, and flame. Vapors may cause flash fire.
 Extremely flammable liquid and vapor in a pressurized container. Keep away from heat, sparks, and flame.
 Has narcotizing effect.
 Flammable.
 Harmful in contact with skin.

NFPA ratings (0 - 4): Health- 2
 Flammability- 3
 Reactivity- 0

HMIS-ratings (0 - 4): Health- 2
 Flammability- 3
 Physical Hazard- 0

4 First aid measures

General information: Symptoms of poisoning may occur even after several hours. Medical observation for at least 48 hours after the accident is recommended.

After inhalation: If breathing is difficult, administer oxygen.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Contact physician or poison control center.

5 Fire fighting measures

Extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
 CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required.

6 Accidental release measures

Personal safety: Wear protective equipment. Keep unprotected persons away.

Environmental safety: Inform appropriate authorities in case of seepage into water course or sewage system.

Prevent seepage into sewage system, workpits and cellars.

Do not allow product to reach sewage systems or ground water.

Clean-up/collection: Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up spills with inert absorbent material. Refer to section 13 for disposal information.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 Ensure adequate ventilation.

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7 Handling and storage

Safe handling information: Prevent formation of aerosols.

Fire/explosion protection: Do not smoke. Protect from electrostatic charges.

Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges.

Storage requirements: Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions.

8 Exposure controls and personal protection:

Components with limit values that require monitoring at the workplace:

67-64-1 Acetone

PEL 2400 mg/m³, 1000 ppm

REL 590 mg/m³, 250 ppm

TLV Short-term value: 1782 mg/m³, 750 ppm

Long-term value: 1188 mg/m³, 500 ppm

BEI

108-88-3 Toluene

PEL Short-term value: C 300; 500* ppm

Long-term value: 200 ppm

*10-min peak per 8-hr shift

REL Short-term value: 560 mg/m³, 150 ppm

Long-term value: 375 mg/m³, 100 ppm

TLV 75 mg/m³, 20 ppm

1330-20-7 xylene (mix)

PEL 435 mg/m³, 100 ppm

REL Short-term value: 655 mg/m³, 150 ppm

Long-term value: 435 mg/m³, 100 ppm

TLV Short-term value: 651 mg/m³, 150 ppm

Long-term value: 434 mg/m³, 100 ppm

BEI

100-41-4 ethyl benzene

PEL 435 mg/m³, 100 ppm

REL Short-term value: 545 mg/m³, 125 ppm

Long-term value: 435 mg/m³, 100 ppm

TLV Short-term value: 543 mg/m³, 125 ppm

Long-term value: 434 mg/m³, 100 ppm

BEI

7429-90-5 aluminium powder (stabilised)

PEL 15* 5** mg/m³

Metal dust *total dust **respirable fraction

REL 10* 5** mg/m³

Metal dust *total dust **respirable fraction

TLV 1* mg/m³

*as respirable fraction

Additional information: The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. However, a two year rat and mouse gavage study by the National Toxicology Program on mixed xylene isomers including 17% ethylbenzene showed no evidence of carcinogenicity.

Hygienic protection: Keep away from foodstuffs and animal feed. Wash hands after use.

Breathing equipment: Not required.

Hand protection: Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

Eye protection: Tightly sealed goggles

9 Physical and chemical properties:

General Information:

Form:

Liquid

Color:

According to trade name description in section 1.

Odor:

Solvent

Boiling point:

110°C

Flash point:

-19°C

Auto igniting:

Product is not self-igniting.

Danger of explosion:

In use, may form flammable/explosive vapour-air mixture.

Lower Explosion Limit:

1.2 Vol %

Upper Explosion Limit:

13.0 Vol %

Density at 20°C:

0.91212 g/cm³

VOC content:

599.0 g/l / 5.00 lb/gal

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VOC content (less exempt solvents): 35.7 %
 MIR Value: 0.00
 Solids content: 25.5 %

10 Stability and reactivity:

Conditions to avoid: No decomposition if used according to specifications.
 Hazardous Reactions: No dangerous reactions known.

11 Toxicological information:

Skin effects: Irritant to skin and mucous membranes.
 Eye effects: Irritating effect.
 Sensitization: No sensitizing effects known.
 Additional toxicological information: Harmful

12 Ecological information

Other information: Product does not contain CFC's.
 This product does not contain any chlorofluorocarbons (CFC's) or chlorinated solvents.
 Aquatic toxicity: Hazardous for water, do not empty into drains.

13 Disposal considerations

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.
 Recommendation: Completely empty cans should be recycled.

14 Transport information:

Hazard class: 3
 Identification number: UN2733
 Label: 3+8
 ADR/RID/TDG class: 3 Flammable liquids
 UN-Number: 2733
 IMDG Class: 3
 Packaging group: II
 EMS Number: F-E,S-C
 Marine pollutant: No
 ICAO/IATA Class: 3
 Proper shipping name: AMINES, FLAMMABLE, CORROSIVE, N.O.S. (ACETONE, Glycol Ether EP)

15 Regulations

SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

108-88-3	Toluene
1330-20-7	xylene (mix)
100-41-4	ethyl benzene
7429-90-5	aluminium powder (stabilised)

TSCA: All ingredients are listed.

CPSC: This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

California Proposition 65 chemicals known to cause cancer:

100-41-4	ethyl benzene
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California Proposition 65 chemicals known to cause developmental toxicity:

108-88-3 Toluene

CANADIAN

ENVIRONMENTAL PROTECTION ACT:

Canadian WHMIS:

EPA:

All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

D2A

A= Known human carcinogen B= Probable human carcinogen

C= Possible human carcinogen

D= Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).

I: 'Data are inadequate for an assessment of human carcinogeni potential.'

II: 'Inadequate information to assess carcinogenic potential.'

67-64-1	Acetone	I
108-88-3	Toluene	II

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1330-20-7	xylene (mix)	I
100-41-4	ethyl benzene	D

IARC: Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.
Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.

108-88-3	Toluene	3
1330-20-7	xylene (mix)	3
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3
100-41-4	ethyl benzene	2B

ACGIH: A1-designates a confirmed human carcinogen.
A2-designates a suspected human carcinogen.
A3-designates an animal carcinogen.
A4-designates "not classifiable as a human carcinogen".

67-64-1	Acetone	A4
108-88-3	Toluene	A4
1330-20-7	xylene (mix)	A4
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4
100-41-4	ethyl benzene	A3
7429-90-5	aluminium powder (stabilised)	A4

NIOSH: The following substances are regulated in the United States with reference to occupational exposure limits:

The following substances are regulated in the United States with reference to occupational exposure limits:

Risk phrases: Flammable.
Harmful in contact with skin.
Irritating to eyes and skin.

Safety phrases: Keep out of the reach of children.
Do not breathe gas/fumes/vapour/spray.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
Wear suitable protective clothing and gloves.
If swallowed, seek medical advice immediately and show this container or label.
Use only in well-ventilated areas.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Contact: Regulatory Affairs

Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
VOC: Volatile Organic Compounds (USA, EU)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
PP: Severe Marine Pollutant
P: Marine Pollutant
HMIS: Hazardous Materials Identification System (USA)
ISO: International Organization for Standardization
EPA: Environmental Protection Agency
IARC: International Agency for the Research of Cancer
NIOSH: National Institute for Occupational Safety and Health
TSCA: Toxic Substances Control Act
CPSC: Consumer Product Safety Commission