

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 05/06/2009

Reviewed on 05/06/2009

1 Identification of substance

Trade name: ALUMINUM CARB RENEW

Product code: Manufactured For:

Manufacturer/Supplier: The Easthill Group DbA/The Eastwood Company
263 Shoemaker Road
Pottstown, PA 19464
USA & Canada: 800-345-1178
Outside USA: 610-323-2200

Information department: Emergency contact: Chem-Trec: 800-424-9300

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.
Flammable.
Harmful in contact with skin.
Irritating to eyes and skin.

NFPA ratings (scale 0 - 4):

Health- 1
Flammability- 2
Reactivity- 0

HMIS-ratings (scale 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

precautions:

Wear protective equipment. Keep unprotected persons away.

Environmental safety

precautions:

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.

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**Measures for cleaning/
collecting:**

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.

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.

**Protective hygienic
measures:**

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

Breathing equipment:

Not required.

Protection of hands:

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

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9 Physical and chemical properties:**General Information:**

Form:	Liquid
Color:	According to trade name description in section 1.
Odor:	Solvent
Boiling point/Boiling range:	55°C
Flash point:	10°C
Ignition temperature:	230°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/cm ³
VOC content:	599.0 g/l / 5.00 lb/gal
VOC content (less exempt solvents):	35.7 %
MIR value:	35.7 %
Solids content:	25.5 %

10 Stability and reactivity:

Conditions to be avoided:	No decomposition if used according to specifications.
Possibility of Hazardous Reactions:	No dangerous reactions known.

11 Toxicological information:

Primary effect on the skin:	Irritant to skin and mucous membranes.
Primary effect on the eye:	Irritating effect.
Sensitization:	No sensitizing effects known.
Additional toxicological information:	Harmful The product shows the following dangers according to internally approved calculation methods for preparations:

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:	UN3286
Label	3
ADR/RID class:	3 Flammable liquids
UN-Number:	3286
IMDG Class:	3
Packaging group:	II
EMS Number:	F-E,S-C
Marine pollutant:	No
ICAO/IATA Class:	3
Proper shipping name:	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (ACETONE, Glycol Ether EP)

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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 (Toxic Substances**Control Act):**

All ingredients are listed.

CPSC (Consumer Product**Safety Commission):**

This product is regulated by 16 CFR 1303. It complies with this regulation and does not contain more than 90 ppm of lead.

PROPOSITION 65 Chemicals known to cause cancer:

100-41-4	ethyl benzene
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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).

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

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:

None of the ingredients is listed.

Risk phrases:

Flammable.

Harmful in contact with skin.

Irritating to eyes and skin.

Safety phrases:

Keep out of the reach of children.

Keep container in a well-ventilated place.

Keep away from food, drink and animal feedingstuffs.

Keep away from sources of ignition - No smoking.

Do not breathe gas/fumes/vapour/spray.

Avoid contact with eyes.

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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:**

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IATA: International Air Transport Association
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)

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