

## SAFETY DATA SHEET

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Revision Number: 1

### 1. COMPANY AND PRODUCT IDENTIFICATION

**Product identifier**

**Product Name:** AC-838  
**Product code:** AC-838

**Other means of identification**

**Synonyms** No information available.

**Application**

**Recommended Use** Chemical Milling Maskant Topcoat  
**Uses advised against** For industrial use only

**Supplier/Manufacturer:**

**Supplier:**  
AC Products, Inc.  
13240 E. Barton Circle  
Whittier, CA 90605-3254  
Phone: 562-946-8781  
FAX: 562-944-9958  
E-mail: she@quakerchem.com  
(For Health and Safety Questions)

**Emergency telephone number:**

\* 24 HOUR TRANSPORTATION:  
\*\*CHEMTREC: 1-800-424-9300  
+703-527-3887 (Call collect outside of US)  
\* 24 HOUR EMERGENCY HEALTH & SAFETY:  
\*\* (800) 523-7010 (Within US only) Outside of US call (703) 527-3887

### 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Chronic aquatic toxicity	Category 3
Flammable liquids	Category 2

**Label Elements**

**Emergency Overview**

**DANGER**

**Hazard Statements**

Causes skin irritation  
Suspected of damaging fertility or the unborn child  
May cause drowsiness or dizziness  
May cause damage to organs through prolonged or repeated exposure  
Harmful to aquatic life with long lasting effects  
May be fatal if swallowed and enters airways  
Highly flammable liquid and vapor

**Appearance** Opaque Tan**Physical State** Liquid**Odor** Solvent**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Use only outdoors or in a well-ventilated area  
Do not breathe dust/fume/gas/mist/vapors/spray  
Avoid release to the environment  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ventilating/lighting/ construction equipment /equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
Specific treatment (see first aid on this label)  
If skin irritation occurs: Get medical advice/attention IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do not induce vomiting  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None known

**Other Information**

May be harmful in contact with skin. Toxic to aquatic life.

**Unknown acute toxicity** 0.08162599% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	Weight %
Toluene	108-88-3	60 - 70%
Talc	14807-96-6	15 - 20%

**Physico-chemical properties:** Flammable

The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**General advice:** Show this safety data sheet to the doctor in attendance. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. If symptoms persist, call a physician.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**Skin contact:** Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water.

**Ingestion:** If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Risk of product entering the lungs on vomiting after ingestion. Never give anything by mouth to an unconscious person.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. In case of shortness of breath, give oxygen. Consult a physician.

**Note to physician:** This product contains toluene. Aspiration may cause pulmonary oedema and pneumonitis.

**Medical condition aggravated by exposure:** Dermatitis and asthma.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Carbon dioxide (CO2) Dry chemical Foam Water.

**Specific hazards:** Flammable. Do not allow material to contaminate ground water system.

**Special protective equipment for fire-fighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific methods:** Use spark-proof tools and explosion-proof equipment. Cool containers / tanks with spray water.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Evacuate personnel to safe areas. Ensure adequate ventilation. Do not breathe vapour/dust. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

**Methods for cleaning up:** Ground and bond containers when transferring material Soak up with inert absorbent material and dispose of as hazardous waste. Sweep up and shovel into suitable containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

## 7. HANDLING AND STORAGE

### Handling

**Technical measures/precautions:** Provide sufficient air exchange and/or exhaust in work rooms.

**Safe handling advice:** To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling. Keep container tightly closed.

### Storage

**Technical measures/storage conditions:** Keep containers tightly closed in a cool, well-ventilated place

**Incompatible products:** Strong oxidizing agents

**Safe storage temperature:** 40 - 100 ° F

**Shelf life:** 2 years

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
Toluene	20 ppm (TWA)	200 ppm	100 ppm (TWA) 375 mg/m <sup>3</sup> (TWA) 150 ppm (STEL) 560 mg/m <sup>3</sup> (STEL)
Talc	2 mg/m <sup>3</sup> (TWA)	None	2 mg/m <sup>3</sup> (TWA)
Magnesium oxide	10 mg/m <sup>3</sup> (TWA)	15 mg/m <sup>3</sup>	None
Magnesite	None	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> (TWA) 5 mg/m <sup>3</sup> (TWA)

**Engineering measures:** Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

### Personal Protective Equipment:

<b>General:</b>	Eye Wash and Safety Shower
<b>Respiratory protection:</b>	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
<b>Eye protection:</b>	Goggles, If splashes are likely to occur, wear:, Face-shield
<b>Hand protection:</b>	Polyvinyl alcohol barrier recommended, Impervious gloves,
<b>Skin and body protection:</b>	Chemical resistant apron, Long sleeved clothing
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Opaque Tan
<b>Odor</b>	Solvent
<b>Odor Threshold</b>	No information available.
<b>pH concentrate:</b>	No information available
<b>pH Dilution</b>	No information available
<b>Melting/freezing point</b>	No information available
<b>Boiling Point/Range</b>	110 °C / 230 °F
<b>Flash Point</b>	7 °C / 45 °F
<b>Method</b>	Tag closed cup
<b>Evaporation rate</b>	No information available
<b>Flammability Limits in Air</b>	
upper flammability limit	No information available.
lower flammability limit	No information available.
<b>VOC Content</b>	No information available
<b>VOC Content Product (lb/gal)</b>	5.11
<b>VOC Content Product (g/L)</b>	611.97
<b>VOC less water and exempt (lb/gal)</b>	5.11
<b>VOC less water and exempt (g/L)</b>	611.97



**Eye Contact** Contact with eyes may cause irritation.

**Skin Contact** Irritating to skin.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Toluene	636 mg/kg ( Rat )	12124 mg/kg ( Rat ) 8390 mg/kg ( Rabbit )	26700 ppm ( Rat ) 1 h
Talc	-	-	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Occupational health effects due to inhalation of mineral dusts incorporating crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc) graphite or coal unlikely to occur from exposure to this product.

Components	IARC Carcinogens	NTP	OSHA - Select Carcinogens
Toluene	Not listed	Not listed	Not listed
Talc	Not listed	Not listed	Not listed

**Sensitization** No information available.

**Mutagenic effects:** No information available.

**Reproductive Toxicity** Product contains a componet that is classified as a reproductive hazard. No testing has been conducted on the product itself.

**Developmental Toxicity** No information available.

**Teratogenic** No information available.

**Specific target organ systemic toxicity (single exposure)** Central nervous system (CNS).

**Specific target organ systemic toxicity (repeated exposure)** May cause disorder and damage to the, Central nervous system (CNS), Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways. Risk of serious damage to the lungs (by aspiration).

**Additional information on toxicological effects**

No information available

**12. ECOLOGICAL INFORMATION**

Components	Ecotoxicity - Fish Species Data:	Ecotoxicity - Freshwater Algae Data:	Ecotoxicity - Water Flea Data:

Toluene	11 14.1 15.22 5.89 50.87 12.6 28.2 5.8 54	5.46 - 9.83mg/L =11.5mg/L 12.5 433.433	EC50 (Daphnia magna - 48h) = 5.46 - 9.83 mg/L EC50 (Daphnia magna - 48h) = 11.5 mg/L
Talc	100100	No data	No data

19.19402% of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

Components	Octanol/water partition coefficient
Toluene	-
Talc	-

**Mobility:** No data available

**Ozone:** No data available

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues/unused products:** In accordance with local and national regulations. Should not be released into the environment.

**Contaminated packaging:** Do not re-use empty containers

**Methods for cleaning up:** Ground and bond containers when transferring material. Soak up with inert absorbent material and dispose of as hazardous waste. Sweep up and shovel into suitable containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**Components** Toluene  
108-88-3

<b>US EPA Waste Number</b>	D001
<b>RCRA - Hazardous Constituents - Appendix:</b>	U220

### 14. TRANSPORT INFORMATION

**U. S. DEPARTMENT OF TRANSPORTATION:**

UN/NA ID Number:	UN1294
Proper shipping name:	Toluene solution
Hazard class:	3
PG:	II
RQ	Toluene, RQ kg= 758
DOT ERG:	ERG 130

**TDG (CANADA):**

UN nr: UN1294  
 Proper shipping name: Toluene solution  
 TDG Hazard Classification: 3  
 Packing group: II

**IMDG/IMO:**

UN nr: UN1294  
 Proper shipping name: Toluene solution  
 Class: 3  
 Packing group: II  
 EMS: F-E, S-D  
 Limited quantity: 1 L

**IATA/ICAO:**

UN nr: UN1294  
 Proper shipping name: Toluene solution  
 Hazard Class: 3  
 Packing group: II  
 Maximum quantity for cargo only: 60 L  
 Maximum quantity for passenger: 5 L  
 Limited quantity: 1 L

**15. REGULATORY INFORMATION**

**Federal Regulations**

**OSHA Hazard Communication Standard:** This product is considered to be hazardous under the OSHA Hazard Communication Standard.

**CERCLA/SARA Information:**

**SARA (311, 312) hazard class:** This product possesses the following SARA Hazard Categories:

Immediate Health (Acute): Yes  
 Delayed Health (Chronic): Yes  
 Flammability: Yes  
 Pressure: No  
 Reactivity: No

Components	Hazardous Substances and RQs	Extremely Hazardous Substances and TPQs	SARA 313 Emission Reporting
Toluene	1000 lb	Not listed	1.0 %
Talc	Not listed	Not listed	Not listed

**Clean Air and Clean Water Acts:**

Components	Hazardous Air Pollutants	CWA - Hazardous Substances	CWA - Toxic Pollutants	CWA - Priority Pollutants
Toluene	Listed	Listed	Listed	Listed
Talc	Not listed	Not listed	Not listed	Not listed

**U.S. STATE REGULATIONS (RTK):**

Components	California Proposition 65	PARTK	MI Critical Materials	NJRTK	MARTK
Toluene	developmental toxicity	Environmental hazard	100 lb	1866	Present
Talc	Not Listed	Present	Not Listed	1773	Present

**California Proposition 65 Status:** May contain trace amounts of listed chemicals: benzene, ethylbenzene, formaldehyde, naphthalene.

**RCRA Status:** Ignitable (D001).

**CANADIAN REGULATIONS:**

**Canada - WHMIS Classification Information:** This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

**Canadian Product Classification:** Class B  
Class D2A  
Class D2B

**Product Classification Graphic(s):**



**Component Classification Data:**

Components	WHMIS hazard class	CEPA Schedule I	Challenge Substances
Toluene	B2, D2A, D2B	Listed	Not listed
Talc	D2A	Not listed	Not listed

**INVENTORY STATUS:**

**United States TSCA - Sect. 8(b) Inventory:** This product complies with TSCA

**Canada DSL/NDSL Inventory List** All components are either on the DSL or the NDSL

## 16. OTHER INFORMATION

**Sources of key data used to compile** Material safety data sheets of the ingredients. the data sheet:

**Prepared by:** Safety, Health and Environmental Department

**Revision Date:** 05/21/2015

**Reason for revision:** New Format.

**Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.**

**Disclaimer**

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. The company referenced in this Safety Data Sheet assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of such company.

**End of Safety Data Sheet**