

SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

Section I - Product & Company Identification

Product identifier

Product name : CONCRETE & TERRAZZO

Product form: Liquid

Other means of identification: 0510

Relevant identified uses of the substance or mixture: Solvent based floor sealer.

Details of the supplier of the safety data sheet

Manufacturer:

Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150

Phone: 816-472-5515

Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification

Flammable Liquids- Category 2

Skin corrosion/ irritation – Category 2

Serious eye damage / eye irritation – Category 2A

Toxic to Reproduction(Unborn child) – Category 2

Specific target organ toxicity (single exposure) - Category 3, Narcotic effects.

Specific target organ toxicity (repeated exposure) – Category 2

Aspiration hazard – Category 1

Pictogram



Signal Word

Danger

Hazard Statements

Highly flammable liquid and vapor.

Causes serious eye irritation.

Causes skin irritation.

Suspected of damaging the unborn child.

May be fatal if swallowed and enters airways.

May cause drowsiness and dizziness.

May cause damage to organs through prolonged or repeated exposure.

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.
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/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Use in well-ventilated area.
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing mist/vapors/spray.

Precautionary Statements – Response

In case of fire: Consider carbon dioxide, dry chemical, dry sand or alcohol resistant foam to extinguish.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs
IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If irritation occurs get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth.
IF EXPOSED OR CONCERNED: Get medical advice/attention.

Precautionary Statements – Storage

Store in a well ventilated place, keep container tightly closed. Keep cool.

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section III –Composition/Information on ingredients

Mixture

Name	CAS #	Weight %
Toluene	108-88-3	80-90

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Section IV – First Aid Measures

First Aid Measures

Inhalation: Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Ingestion: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing, wash skin with plenty of water. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

May cause skin and eye irritation.

May cause dizziness or drowsiness.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically. Symptoms may be delayed.

Section V – Fire Fighting Measures

Suitable Extinguishing Media

Alcohol resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: High volume water jet.

Specific Hazards Arising from the Chemical

Carbon oxides

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved and full protective gear.

Section VI –Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe area.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Eliminate all ignition sources. Prevent further leakage or spillage if safe to do so. Prevent discharge to open bodies of water, municipal sewers, and watercourses.

Methods for Cleaning Up: Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal. Following product recovery, flush area with water. Scrub area with detergent and water.

Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

<u>Chemical Name</u>	<u>CAS #</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH</u>
Toluene	108-88-3	TWA: 20 ppm	TWA: 200 ppm CEIL: 300 ppm	No data available

Appropriate Engineering Controls

Engineering Controls: Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear approved chemical safety goggles/face shield where a splash hazard exists. Eyewash station is recommended.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Color	Clear
<u>Property</u>	<u>Values</u>
pH	No data available
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	110.6 ° C (231.1 ° F)
Flash Point	4.4 ° C (39.9 ° F) TCC
Evaporation Rate	Slower than butyl ether
Flammability (Solid,Gas)	n/a-liquid
Upper Flammable Limits	7.1%
Lower Flammable Limits	1.2%
Vapor Pressure	No data available
Vapor Density	> than air
Specific Gravity	0.89
Water Solubility	negligible
Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Explosive Properties	Not an Explosive
Oxidizing Properties	No data available
Odor	Organic solvent
Odor Threshold	No data available

Section X – Stability & Reactivity

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None Known

Conditions to Avoid

Heat, sparks, flames.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon dioxide, carbon monoxide and/or low weight hydrocarbons.

Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information :

Inhalation: Avoid breathing vapors or mists.

Eye Contact: Causes eye irritation

Skin Contact: Avoid contact with skin.

Ingestion: Harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Toluene	108-88-3	5580 mg/kg (rat)	12267 mg/kg (Rabbit)	>20 mg/l 4 h(Rat)

Chemical Name	Toluene
Skin corrosion/irritation	Mild irritation
Serious eye damage/irritation	Mild irritation
Respiratory or skin sensitization	No data available
Mutagenicity	No data available
Carcinogenicity	No carcinogenic properties
Reproductive toxicity	Suspected of damaging the unborn child
Specific target organ toxicity-Single exposure	Central nervous system Inhalation may cause drowsiness or dizziness
Specific target organ toxicity-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: This product does not contain carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity: Not determined

Section XII – Ecological information

Ecotoxicity

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Toluene	108-88-3	EC50 - Pseudokirchneriella subcapitata (green algae) - 10.00 mg/l - 24 h	LC50 - Oncorhynchus mykiss (rainbow trout) - 7.63 mg/l - 96 h NOEC - Pimephales promelas (fathead minnow) - 5.44 mg/l - 7 d	EC50 - Daphnia magna (Water flea) - 8.00 mg/l - 24 h

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility

No data available

Section XIII - Disposal considerations

Waste Disposal Method

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

Section XIV - Transport information

DOT Proper Shipping Description:

Bulk & Non-Bulk : UN1139, Coating solution, 3, PGII

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Fire, acute and chronic health hazards.

SARA Title III Section 313 (40CFR372): One reportable component. Toluene

RCRA Status (40CFR261.33): No reportable components.

TSCA Inventory Status: Reported/included

OSHA/NTP/IARC Carcinogen Status: Group 3 IARC Not classifiable to humans.

Canadian DSL Status: Reported/included

Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:

Toluene.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Toluene	X	X	X

Section XVI - Other information

HMIS ratings: Health: 2*
 Flammability: 3
 Reactivity: 0

Indication of changes: Revision – 1

Date Sheet Prepared: 07/27/2015 Other information: Author – EHS Administrator

The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS