

SAFETY DATA SHEET

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

Section I - Product & Company Identification

Product identifier

Product name : THERMAL COAT
Product form: Liquid
Other means of identification: LB104, Floor finish

Relevant identified uses of the substance or mixture: Floor Coating.

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

Acute toxicity - Oral Category 5
Serious Eye Damage/Eye Irritation Category 2B
Skin corrosion/irritation Category 2

Pictogram



Signal Word

Warning

Hazard Statements

May be Harmful if swallowed
Causes skin irritation
Causes serious eye irritation

Precautionary Statements - Prevention

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

Precautionary Statements - Response

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: Wash with plenty of soap and water.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Take off contaminated clothing and wash before reuse

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Section III –Composition/Information on ingredients

Mixture

Name	Product identifier	Weight %
Acrylic Polymer	(CAS No) Proprietary	70-85
Di(ethylene glycol) ethyl ether	(CAS No) 111-90-0	5-10
Tributoxyethyl phosphate	(CAS No) 78-51-3	1-5
Zinc Oxide	(CAS No) 1314-13-2	<1.5

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 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: Wash with plenty of water. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

May cause eye irritation with reddening and watering. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

Section V – Fire Fighting Measures

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Non-flammable.

Protective Equipment and Precautions for Firefighters

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

Section VI –Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Keep in suitable, closed containers for disposal.

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.

Incompatible Materials : Strong acids.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	NIOSH IDLH
Diethylene Glycol Monoethyl Ether	111-90-0	TWA: 25 ppm	Not determined	Not determined
Zinc Oxide	1314-13-2	TWA: 10 mg/m3 Dust	TWA 5 mg/m3	TWA 5 mg/m3

Appropriate Engineering Controls

Engineering Controls: Provide adequate ventilation. Eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear approved safety goggles where a splash hazard exists.

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	White
<u>Property</u>	<u>Values</u>
pH	8.2-8.5
Melting Point/Freezing Point	0 ° C Water
Boiling Point/Boiling Range	100 ° C Water
Flash Point	Not Flammable
Evaporation Rate	< 1 Water
Flammability (Solid,Gas)	n/a-liquid
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	17 mmHg @ 21 ° C
Vapor Density	< 1 Water
Specific Gravity	No data available
Water Solubility	Soluble in Water
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	Not an oxidizer
Odor	Wax
Odor Threshold	Not Determined

Section X – Stability & Reactivity

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Strong acids.

Hazardous Decomposition Products

None known based on information supplied

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
Tributoxyethyl Phosphate	78-51-3	=3000 mg/kg(Rat)	>5000 mg/kg (Rabbit)	>6.4 mg/L (Rat) 4h
Diethylene glycol ethyl ether	111-90-0	=1920 mg/kg (Rat)	=4200uL/kg(Rabbit =6mL/kg(Rat)	>5240 mg/m3 (Rat) 4h
Acrylic Polymer	-	>5000 mg/kg (Rat)	Not Available	Not available

Information on Physical, Chemical and Toxicological Effects

Symptoms: Please see section 4 of this SDS for symptoms.

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

Carcinogenicity: This product does not contain any 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	Toxicity to Microorganisms	Crustacea
Tributoxyethyl phosphate	78-51-3	Pseudokirchneriella subcapitata (green algae) - 61 mg/l - 72 h	10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through	Data not available	Daphnia magna (Water flea) - 53 mg/l - 48 h
Di(ethylene glycol) ethyl ether	111-90-0	No data available	11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through	No data available	3940 - 4670: 48 h Daphnia magna mg/L EC50
Zinc Oxide	1314-13-2	No data available	21 mg/L LC50	No data available	5:48 h Daphnia magna mg/L EC50

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility

<u>Chemical Name</u>	<u>CAS #</u>	<u>Partition Coefficient</u>
Tributoxyethyl phosphate	78-51-3	4.78
Di(ethylene glycol) ethyl ether	111-90-0	-0.8

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:

Not Regulated

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Acute health hazard

SARA Title III Section 313 (40CFR372): Two reportable components.

Chemical Name	CAS #	Weight %	SARA 313-Threshold Values %
Di(ethylene glycol) ethyl ether	111-90-0	5-10	1.0
Zinc Oxide	1314-13-2	<1.5	1.0

Zinc and its compounds are considered toxic pollutants under Section 307(a)(1) of the Clean Water Act and are subject to effluent limitations.

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

TSCA Inventory Status: Reported/included

OSHA/NTP/IARC Carcinogen Status: Not listed

Canadian DSL Status: Reported/included

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

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Di(ethylene glycol) ethyl ether 111-90-0	X		X
Zinc Oxide 1314-13-2	X	X	X

Section XVI - Other information

HMIS ratings: Health: 1
 Flammability: 0
 Reactivity: 0

Indication of changes: Revision – 1

Date Sheet Prepared: 5/27/2015 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 warranties, 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