

## SAFETY DATA SHEET

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

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### Section 1 - Product & Company Identification

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#### Product identifier

Product name: REVIVE

Product form: Liquid

Other means of identification: DP0128

Relevant identified uses of the substance or mixture: Petroleum based cleaner

#### 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

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### Section 2 – Hazards Identification

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#### Classification

Flammable Liquids- Category 3

Skin irritation Category 2

Eye Irritation Category 2A

Skin sensitization Category 1

Aspiration hazard Category 1

Acute aquatic toxicity Category 2

Pictogram



#### Signal Word

**Danger**

#### Hazard Statements

Flammable liquid and vapor.

May be fatal if swallowed and enters airways.

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction.

Toxic to aquatic life.

**Precautionary Statements – Prevention**

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.

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing mist/vapor/spray.

Avoid release to the environment.

**Precautionary Statements – Response**

IN CASE OF FIRE: Consider carbon dioxide, dry chemical 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 persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if rash or irritation persists. Take off contaminated clothing and wash before reuse.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell.

**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.

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**Section 3 –Composition/Information on ingredients**

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Mixture		
Name	CAS No.	Weight %
D-Limonene	5989-27-5	10-20
Hydrotreated light distillates (petroleum)	64742-47-8	50-60

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

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**Section 4 – First Aid Measures**

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**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 victim 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 with reddening and watering. May cause drowsiness and dizziness.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians:** Treat symptomatically.

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**Section 5 – Fire Fighting Measures**

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**Suitable Extinguishing Media**

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media**

Not determined.

**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 or equivalent) and full protective gear.

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**Section 6 –Accidental Release Measures**

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**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:** Prevent further leakage or spillage if safe to do so by containing with inert absorbent. Avoid releasing to the environment.

**Methods for Cleaning Up:** Collect liquid in a sealable, solvent resistant container. Sprinkle inert absorbent compound onto spill, then sweep into a container. Keep in suitable, closed containers for disposal.

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**Section 7 – Handling & Storage**

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**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.

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**Section 8 – Exposure Controls/ Personal Protection**

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**Exposure Guidelines**

<b><u>Chemical Name</u></b>	<b><u>CAS #</u></b>	<b><u>ACGIH TLV</u></b>	<b><u>OSHA PEL</u></b>	<b><u>NIOSH</u></b>
D-Limonene	5989-27-5	Not established	Not established	Not established
Hydrotreated light distillates (petroleum)	64742-47-8	212 ppm 1200 mg/m <sup>3</sup> 8 h	500 ppm	Not established

### **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/ face shield 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.

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## **Section 9 – Physical & Chemical Properties**

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### **Information on Basic Physical and Chemical Properties**

**Physical State**  
**Color**

Liquid  
Amber

#### **Property**

#### **Values**

pH	No data available
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	158-194 ° C (316.4-381.2 ° F)
Flash Point	48.9 ° C (120 ° F)
Evaporation Rate	No data available
Flammability (Solid,Gas)	n/a-liquid
Upper Flammable Limits	6.1 % (V)
Lower Flammable Limits	0.6% (V)
Vapor Pressure	<2 mmHg @ 20 ° C
Vapor Density	No data available
Specific Gravity	0.81
Water Solubility	Insoluble
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	Citrus
Odor Threshold	No data available

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## Section 10 – Stability & Reactivity

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### **Reactivity**

d-Limonene can oxidize slowly in contact with air.

### **Chemical Stability**

Stable under recommended storage conditions.

### **Possibility of Hazardous Reactions**

No hazardous polymerization.

### **Conditions to Avoid**

Heat, sparks, flames.

### **Incompatible Materials**

Oxidizing agents, strong acids, peroxides, halogens.

### **Hazardous Decomposition Products**

Carbon dioxide, carbon monoxide, acrid smoke.

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## Section 11 - Toxicological information

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### **Information on Likely Routes of Exposure**

#### **Product Information**

**Inhalation:** Avoid breathing vapors or mists. May cause mild irritation of the upper respiratory tract in large doses.

**Eye Contact:** Causes serious eye irritation

**Skin Contact:** Causes moderate skin irritation, dry skin, redness.

**Ingestion:** Harmful if swallowed. May be fatal if swallowed and enters airways.

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
D-Limonene	5989-27-5	>5,000 mg/kg (Rat)	>5,000 mg/kg (Rabbit)	No data available
Hydrotreated light distillates (petroleum)	64742-47-8	>5,000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>5.2 mg/l 4 h

Chemical Name	D-Limonene	Hydrotreated light distillates (petroleum)
Skin corrosion/irritation	Moderate irritation	Moderate irritation
Serious eye damage/irritation	No data available	Mild irritation
Respiratory or skin sensitization	Sensitizer when oxidized	Not a sensitizer
Mutagenicity	No data available	Negative results
Carcinogenicity	Not classified as carcinogen	Not classified as carcinogen
Reproductive toxicity	No data available	No data available
Specific target organ toxicity-Single exposure	No data available	Narcotic effects.
Specific target organ toxicity-repeated exposure	No data available	No data available
Aspiration hazard	Aspiration hazard	Aspiration hazard.

**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

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**Section 12 - Ecological information**

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**Ecotoxicity**

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

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
D-Limonene	67-63-0	No data available	LC50 - Pimephales promelas (fathead minnow) 0.702 mg/l - 96 h	EC50 - Daphnia pulex (Water flea) – 69.6 mg/l 48 h
Hydrotreated light distillates (petroleum)	64742-47-8	No data available	LC50 - Pimephales promelas (fathead minnow) 45 mg/l - 96 h LC50 - Oncorhynchus mykiss: 2.4 mg/l 96 h	LC50-Den-dronereides heteropoda 4720 mg/l 96 h

**Persistence and Degradability**

No data available

**Bioaccumulation**

No data available

**Mobility**

No data available

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**Section 13 - Disposal considerations**

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**Waste Disposal Method**

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.

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**Section 14 - Transport information**

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**DOT Proper Shipping Description:**

**Non-Bulk:** combustible, not regulated

**Bulk:** NA1993, Compounds, cleaning liquid, N.O.S. (d-Limonene, hydrotreated light distillates), 3, PGIII

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**Section 15 - Regulatory information**

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

**SARA Title III Section 313 (40CFR372):** This product does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372

**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
d-Limonene			
Hydrotreated light distillates (petroleum)	NONANE	NONANE	NONANE

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**Section 16 - Other information**

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

Indication of changes: Revision – 3 Revised section 15

Date Sheet Prepared: 04/24/2019 Other information: Author – EHS Administrator

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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**