

Print Date: July 9, 2021

# **Section 1: Product & Company Information**

**Product Identifier: Orange Terpenes** 

Other Means of Identification

Product Number: 150025-130-0390

**Recommended Use and Restrictions on** 

Use

Recommended Use: Electronic Cleaner. Restrictions on Use: No data available.

Manufacturer / Importer / Supplier / Distributor

Information

Company Name: CORECHEM Inc.

**Address:** 4320 Greenway Drive Knoxville, TN 37918

USA

Information Telephone Number: 1-865-524-4239

Fax Number: 1-865-524-3375

**Website:** www.corecheminc.com **Contact Person:** Regulatory Manager

E-mail: regulatory@corecheminc.com

Emergency Phone Number: Chemtrec® 1-800-424-9300 / Outside USA 1-703-527-3887 (monitored 24 hours/day)

## **Section 2: Hazards Identification**

#### GHS Hazard Classification(s)

In accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).

#### Physical Hazard(s)

Flammable, Liquids - 3

#### Health Hazard(s)

Corrosion/Irritation, Skin - 2 (Corrosion)Damage/Irritation, Eye - 2A Specific Target Organ Toxicity (STOT)-Respiratory Irritation, Single exposure - 3

#### Environmental Hazard(s)

Not classified.

#### Label Elements Signal Word

**WARNING** 

## Hazard Symbol(s)





## Hazard Statement(s)

H226: Flammable liquid and vapor. H315: Causes skin Irritation. H319: Causes serious eye Irritation. H335: May cause respiratory Irritation.

### **Precautionary Statements**

General

Not applicable.

## Prevention

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233: Keep container tightly closed.



Print Date: July 9, 2021

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P321: Specific treatment (see supplemental first aid instructions on this label).

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P370 + P378: In case of fire: Use suitable extinguishing media for extinction.

#### Storage

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

P403 + P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

## Disposal

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

#### Hazard(s) not otherwise classified (HNOC)

None known.

## Section 3: Composition/Information on Ingredients

#### Substance

Chemical Identity <sup>2</sup>	Common Name/Synonym(s)	CAS # <sup>3</sup>	Weight %	Impurity or Stabilizing Additive
Terpene Hydrocarbons	-	5989-27-5	75-100	No

<sup>1.</sup> Information regarding the composition and the percent ranges of the mixtures ingredients are not presented as its Confidential Business Information (CBI). Where a medical emergency exists (as determined by medical professional), timely disclosure of CBI is assured. The information omitted pertains to only the names of the substances and the concentration in the mixture (product) and can only be requested by a doctor/physician or Local/State/Provincial or Federal Authority.

#### Section 4: First-Aid Measures

#### **General Information**

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wash contaminated clothing before reuse.

#### Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### Skin Contact

Take off immediately all contaminated clothing. Wash off IMMEDIATELY with plenty of water for at least 15-20 minutes. Get medical attention immediately! Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.

## **Eye Contact**

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

## Ingestion

Call a physician or poison control center immediately. Rinse mouth. If vomiting occurs, keep head low so that stomach content does not get into the lungs.

#### Most important symptoms/effects, acute and delayed Symptoms

No data available.

 $<sup>2. \</sup> Non-hazardous \ ingredients \ are \ not \ presented \ as \ to \ protect \ the \ proprietary \ formula \ of \ the \ product.$ 

<sup>3. &</sup>quot;— "Indicates ingredient is a mixture and contains multiple ingredients or may have no identifying CAS number.



Print Date: July 9, 2021

# Indication of immediate medical attention and special treatment needed

Hazards

No data available.

**Treatment** 

No data available.

## **Section 5: Fire-Fighting Measures**

#### **General Fire Hazards**

Flammable liquid and vapor. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning.

## Suitable (and Unsuitable) Extinguishing Media

Suitable Extinguishing Media

Extinguishing powder, alcohol resistant foam, carbon dioxide, water fog

**Unsuitable Extinguishing Media** 

No data available.

#### Specific Hazards Arising from the Chemical

No data available.

#### **Special Protective Equipment and Precautions for Firefighters**

**Special Fire-Fighting Equipment Procedures** 

No data available.

#### **Special Protective Equipment for Fire-Fighters**

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

#### **Section 6: Accidental Release Measures**

## **Personal Precautions, Protective Equipment and Emergency Procedures**

Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Keep unauthorized personnel away. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Evacuate area.

## Methods and Materials for Containment and Clean-Up

Eliminate all ignition sources if safe to do so. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.

## **Notification Procedures**

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

#### **Environmental Precautions**

Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## **Section 7: Handling and Storage**

#### **Precautions for Safe Handling**

DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Ground/bond container and receiving equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink, or smoke when using the product. Use caution when adding this material to water. See Section 8 of the SDS for Personal Protective Equipment. Avoid contact with eyes. Avoid contact with skin.

## Conditions for Safe Storage, including any Incompatibilities

Keep container tightly closed. Store in a cool, dry, well-ventilated place. Store away from incompatible materials (See Section 10). Ensure that all local regulations regarding handling and storage facilities are followed.

## **Section 8: Exposure Controls/Personal Protection**

#### **Control Parameters**

## **Occupational Exposure Limits**

The product does not contain any relevant quantities of hazardous materials with critical values that have to be monitored in the workplace.

#### Biological Limit Values

The product does not contain any relevant quantities of hazardous materials with assigned biological limit values.

## **Appropriate Engineering Controls**



Print Date: July 9, 2021

No data available.

#### Individual protection measures, such as personal protective equipment (PPE)

#### **General Information**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.

#### **Eye/Face Protection**

Wear safety glasses with side shields (or goggles) and a face shield. Wear a full-face respirator, if needed.

#### Skin Protection

## **Hand Protection**

Wear appropriate chemical resistant gloves.

#### Other

Wear appropriate chemical resistant clothing.

#### **Respiratory Protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge, or canister. Contact health and safety professional or manufacturer for specific information

#### **Hygiene Measures**

When using, do not eat, drink, or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated footwear that cannot be cleaned. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Avoid contact with eyes, skin, and clothing.

# **Section 9: Physical and Chemical Properties**

Appearance:

Physical State: Liquid

Color: Clear and water white.

**Odor:** Citrus

Odor Threshold: No data available.
pH: No data available.
Melting Point/Freezing Point: No data available.
Initial Boiling Point and Boiling 349 - 349°F
Range:

Flash Point: 113°F

Evaporation Rate (butyl acetate=1): No data available. Flammability (solid, gas): No data available. Upper/Lower Limit on Flammability or Explosive Limits

Flammability Limit – Upper:
Flammability Limit – Lower:
Explosive Limit – Upper:
Explosive Limit – Lower:
No data available.
No data available.
Vapor Pressure:
No data available.
Vapor Pressure:
Vapor Density (air = 1):
Relative Density (water=1):
No data available.

Solubility(ies):

Solubility in water: Insoluble

Solubility (other): No data available.

Partition coefficient (n- No data available.

octanol/water):

Auto-Ignition Temperature: No data available.

Decomposition Temperature: No data available.

Viscosity: No data available.

Other Information:

Molecular Weight: 7.0 LBS / GALLON. Formula: No data available.

## **Section 10: Stability and Reactivity**

#### Reactivity

No data available.



Print Date: July 9, 2021

#### **Chemical Stability**

No data available.

#### **Possibility of Hazardous Reactions**

No data available.

#### **Conditions to Avoid**

Avoid impact, friction, heat, sparks, flame, and source of ignition.

#### Incompatible Materials

Keep separate from Alkalies. Prevent contact with strong oxidizing agents.

#### **Hazardous Decomposition Products**

During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed. Toxic gases/fumes are given off during burning or thermal decomposition.

# **Section 11: Toxicological Information**

## Information on routes of exposure

Ingestion: Harmful if swallowed. May cause nausea and vomiting. May cause headache.

**Inhalation:** May be irritating to the respiratory system.

Skin Contact: May cause skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation

and dermatitis (rash).

Eye Contact: Causes eye irritation.

## **Information on Toxicological Effects**

#### Acute Toxicity (List all possible routes of exposure)

Oral

Terpene Hydrocarbons: LD50: 4,400 mg/kg

#### Dermal

Terpene Hydrocarbons: LD50: 5,000 mg/kg

## Inhalation

No data available.

## **Repeated Dose Toxicity**

No data available.

#### Skin Corrosion/Irritation

No data available.

#### Serious Eye Damage/Eye Irritation

No data available.

#### Respiratory/Skin Sensitization

No data available.

### Carcinogenicity

## IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by

#### **US. National Toxicology Program (NTP) Report on Carcinogens**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## **Germ Cell Mutagenicity**

In Vitro

No data available.

In Vivo

No data available.

#### **Reproductive Toxicity**

No data available.

#### Specific Target Organ Toxicity - Single Exposure

No data available.

## Specific Target Organ Toxicity – Repeated Exposure

No data available.



Print Date: July 9, 2021

#### **Aspiration Hazard**

No data available.

#### **Other Effects**

None known.

## **Section 12: Ecological Information**

#### **Ecotoxicity**

#### **Acute Hazards to the Aquatic Environment**

Fish

No data available.

## **Aquatic Invertebrates**

No data available.

#### **Toxicity to Aquatic Plants**

No data available.

## **Chronic Hazards to the Aquatic Environment**

Fish

No data available.

#### **Aquatic Invertebrates**

No data available.

### **Toxicity to Aquatic Plants**

No data available.

#### **Persistence and Degradability**

**Biodegradation** 

There are no data on the degradability of this product.

#### **BOD/COD Ratio**

No data available.

## **Bioaccumulative Potential**

**Bioconcentration Factor (BCF)** 

No data available on bioaccumulation.

#### Partition Coefficient n-octanol / water (log Kow)

No data available.

#### **Mobility in Soil**

No data available.

#### **Other Adverse Effects**

No data available.

# **Section 13: Disposal Considerations**

## **Disposal Instructions**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

### **Contaminated Packaging**

Handle contaminated packages in the same way as the substance itself. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks, and flames. Do not cut, puncture, or weld on or near this container. Follow label warnings until container is thoroughly cleaned or destroyed.

## **Section 14: Transportation Information**

## US Department of Transportation (DOT)

UN Number: NA1993

UN Proper Shipping Name: Combustible liquid, n.o.s.
Technical Name: (contains terpenes)
Hazard Class: Comb. Liq.

Subsidiary Hazard Risk: -

Packing Group: III

DOT Label/Placard Exemptions: 49CFR 173.150(f) Combustible liquids.



Print Date: July 9, 2021

(1) A flammable liquid with a flash point at or above 38 °C (100 °F) that does not meet the definition of any other hazard class may be reclassed as a combustible liquid. This provision does not apply to transportation by vessel or aircraft, except where other means of transportation is impracticable.

(2) The requirements in this subchapter do not apply to a material classed as a combustible liquid in a non-bulk packaging unless the combustible liquid is a hazardous substance, a hazardous waste, or a marine pollutant.

Special Provisions: IB3, T1, T4, TP1
Packaging Exceptions: 49CFR 173.150
Packaging Non-Bulk: 49CFR 173.203
Packaging Bulk: 49CFR 173.241
Reportable Quantity (RQ): None
Marine Pollutant: No

Marine Pollutant: No Poison Inhalation Hazard: No

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Emergency Response Guidebook (ERG) #: 128

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

## **Section 15: Regulatory Information**

#### **US Federal Regulations**

#### Toxic Substance Control Act (TSCA), Chemical Substance Inventory, Section 8(b)

This product or ingredient(s) are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

#### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance List (40 CFR 302.4)

No chemical(s) in this material are subject to the reporting requirements of CERCLA.

#### Clean Air Act (CAA), Section 112(r)

No chemical(s) in this material are subject to the reporting requirements of CAA.

#### Emergency Planning and Community Right-To-Know Act (EPCRA)

### **EPCRA 302 Extremely Hazardous Substance**

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 302.

## **EPCRA 304 Emergency Response Notification**

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 304.

#### **EPCRA 311/312 Emergency and Hazardous Materials Reporting**

Fire Hazard: Yes Sudden Release of Pressure: No

Reactive: No Acute (Immediate) Health Hazard: No Chronic (Delayed) Health Hazard: No

## EPCRA 313 Toxic Chemical Release Inventory (TRI) Reporting

This material does not contain any chemical(s) with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III. Section 313.

### **US State Regulations**

## California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Important Note: Due to the changing nature of regulatory requirements, the information in this document should NOT be considered all-inclusive or authoritative. Users should make their own investigations to determine the suitability of the information for their particular purposes. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

## **Section 16: Other Information**

## Hazardous Materials Identification System (HMIS®) Classification

Health Hazard: 1

Chronic Health Hazard: /

Flammability: 2

Physical Hazard: 0

(Hazard Rating: 0 - Minimal / 1 - Slight / 2 - Moderate / 3 - Serious / 4 - Severe)

# National Fire Protection Association (NFPA 704) Rating

Health Hazard: 1

Fire Hazard: 2

Reactivity Hazard: 0

Special: N/A



Print Date: July 9, 2021

(Hazard Rating: 0 - Minimal / 1 - Slight / 2 - Moderate / 3 - Serious / 4 - Severe)

Prepared By: Regulatory Manager Version #: 001 Issue Date: July 09,2021 Revision Date: -

Revisions: -

## **Key to Abbreviations and Acronyms**

ATE - Acute Toxicity Estimate BCF - Bioconcentration Factor EC50 - Effective concentration, 50%

IDHL – Immediately Dangerous to Life and Health

Kg – Kilogram I – Liter Ib – Pound

LC50 - Lethal Concentration, 50%

LD50 - Lethal Dose, 50% mg - milligram ml – milliliter N/A – Not Applicable

N/A – Not Applicable N/D – Not Determined

PEL – Permissible Exposure Limit REL – Recommended Exposure Limit STEL – Short-term Exposure Limit

TWA - Time weighted average

ACGIH - American Conference of Industrial Hygienists

AIHA – American Industrial Hygiene Association BEI - Biological Exposure Indices

CAS – Chemical Abstracts Service
DOT – US Department of Transportation
EPA – US Environmental Protection Agency

GHS - Globally Harmonized System of Classification and Labelling of Chemicals

IARC - International Agency for Research on Cancer IATA - International Air Transport Association

IBC - Intermediate Bulk Container

IMDG - International Maritime Dangerous Goods

NIOSH - National Institute for Occupational Safety and Health

NTP – National Toxicology Program

OSHA – US Occupational Health and Safety Administration SARA – US EPA Superfund Amendments and Reauthorization Act

TSCA - US EPA Toxic Substances Control Act

UN - United Nations

#### References

HSDB® - Hazardous Substances Data Bank

#### Disclaimer

The information in this SDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.