

Section 1: Identification

Product Name 0060 - Orange Oil, Natural
Commercial Name Not available.
Product Use Food industry: component
Restrictions On Use Not available.

Product Code 30-1396

Company PCCA
 9901 South Wilcrest
 Houston, TX 77099
 Phone: 1-800-331-2498
 Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Skin corrosion/irritation Category 2 Skin sensitization Category 1B Aspiration toxicity Category 1 Flammable
CFR 1910.1200 liquids Category 3

Signal Word DANGER

Hazard Statement(s) Causes skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.
 Flammable liquid and vapor.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention

Wash face, hand and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. 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.

Response

If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. In case of fire: Use for extinction: CO2, powder or water spray.

Storage

Store locked up. Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents/container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components ORANGE OIL
% By Weight 100
CAS# 8008-57-9
Molecular Weight Not available.
Chemical Formula C16H10N2NA2O7S2
Synonym(s) Not available.

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Flavor, Orange Oil (Florida Type)	8008-57-9	100	Not available.	Not available.
Limonene	5989-27-5	>= 25%		
Myrcene	123-35-3	1-<5%		
Octanal	124-13-0	0.1-1%		
Decanal	112-31-2	0.1-1%		
Citral	5392-40-5	0.1-1%		

Section 4: First-Aid Measures

Inhalation	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
Skin Contact	Immediately wash with water and soap and rinse thoroughly.
Eye Contact	Rinse opened eye for several minutes under running water.
Ingestion	If symptoms persist consult doctor.
Symptoms/Effects	
Acute	No further relevant information available.
Delayed	No further relevant information available.
Immediate Medical Attention	
Immediately remove any clothing soiled by the product.	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

CO2, dry powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable Extinguishing Media

Water with full jet.

Products of Combustion

No further relevant information available.

Firefighters Special Equipment and Precautions

No special measures required.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away. Environmental precautions: Do not allow to enter sewers/surface or ground water. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation

Section 7: Handling and Storage

Advice on safe handling: Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist. Storage: Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Information about protection against explosions and fires: eep ignition sources away – Do not smoke. Protect against electrostatic charges. Storage: Requirements to be met by storerooms and receptacles: Recommended Storage Conditions: Store/Ship in a closed container in a dry place away from direct sunlight at 60-85 Deg F. Store in tightly sealed containers in a cool, dry place that is well ventilated. Away from heat, spark, and open flame. Information about storage in one common storage facility : Not required. Further information about storage conditions : Keep container tightly sealed. Specific end use(s) : No further relevant information available.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Controls	Showers Eyewash stations Ventilation systems.

Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Personal Protection

General protective and hygienic measures : Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air. Protection of hands: Wear protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection: Tightly sealed goggles.

Section 9: Physical and Chemical Properties

Appearance	Clear Dark Orange Liquid.		
Odor	Characteristic		
Odor Threshold	Not available.		
Melting Point	Not available.	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not available.
Boiling Point/Range	Not available	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	53° C(127.4 °F)	Autoignition temperature	Not available.
Flammability	Flammable; Product is not ex	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Not miscible or difficult to mix		
Other	Density @ 20C (68 F): 0.84515 g/cm³ (7.05278 lbs/gal)		

Section 10: Stability and Reactivity

Reactivity	No further relevant information available
Chemical Stability	Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. Possibility of hazardous reactions: No dangerous reactions known.
Hazardous Polymerization	Not available
Conditions to Avoid	No further relevant information available
Incompatible Materials	No further relevant information available.
Hazardous Decomposition Products	No dangerous decomposition products known..

Section 11: Toxicological Information

RTECS	RI8600000
Acute Toxicity	
Primary irritant effect	on the skin : No irritant effect. on the eye : No irritating effect. Sensitization : Sensitization possible through skin contact.
Skin Corrosion/Irritation	
Not available.	
Serious Eye Damage/Irritation	
Not available.	
Respiratory or Skin Sensitization	
Not available.	
Germ Cell Mutagenicity	
Not available.	
Carcinogenicity	
Substance is not listed	
Reproductive Toxicity	
Not available.	
Routes of Entry	
Not available.	

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

General notes : Water hazard class 2 (Self-assessment) : hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Results of PBT and vPvB assessment PBT : Not applicable vPvB : Not applicable Other adverse effects : No further relevant information available.

Section 13: Disposal Considerations**Waste Disposal**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal of Container

Disposal must be made according to official regulations.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

IMDG/IMO UN Number 1169 Proper shipping name Extracts, aromatic, liquid Hazard Classification 3 Packaging Group III Marine pollutant This product contains a chemical which is listed as a severe marine pollutant according to IMDG/IMO ADR/RID UN Number 1169 Proper shipping name Extracts, aromatic, liquid Hazard Classification 3 Packing Group III ICAO/IATA UN Number 1169 Proper shipping name Extracts, aromatic, liquid Hazard Classification 3 Packing Group III

Section 15: Regulatory Information**Regulations**

Not available.

Other

Not available.

Section 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.