

Safety Data Sheet

Orange Safe

SECTION I - IDENTIFICATION

BANNER LABS, INC.

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Chemtrec :..... (800) 424-9300

Product Number 2111
Product Name Orange Safe
Synonyms Medium Aliphatic Naphtha, Terpene Hydrocarbon
CAS Number Multiple
Date Prepared 10/8/2019
Revision Number 10/9/2019
Recommended Use Industrial use.

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Flammable Liquids	Category 3
Oxidizing Liquids	Category 2
Sensitization, Skin	Category 1
Hazardous to the aquatic environment, acute hazard	Category 2
Hazardous to the aquatic environment, long-term hazard	Category 1

DANGER!

GHS LABEL:



Hazard Statements

H226	Flammable liquid and vapor
H272	May intensify fire; oxidizer
H317	May cause an allergic skin reaction
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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Precautionary Statements

P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition, sources. No smoking.
P220	Keep away from clothing and other combustible materials.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light.../ equipment, etc.
P242	Use only non-sparking tools.
P243	Take precautionary measures to prevent static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	IF ON SKIN: Wash with plenty of water/...
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.
P321	Specific treatment (see ... on this label).
P333+313	If skin irritation or a rash occurs: Get medical advice/attention.
P362+364	Take off immediately all contaminated clothing and wash it before reuse.
P370+378	In case of fire: Use(See Section 5 of SDS) to extinguish.
P391	Collect spillage.
P403+235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents/container to: local/regional/national/international regulations.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Medium Aliphatic Naphtha	64742-88-7		100 ppm	100 ppm
Terpene Hydrocarbon	5989-275		Not Established	Not Established

SECTION IV - FIRST AID MEASURES

Contact with eyes: For eye contact, flush eyes with water for 15 minutes. Get medical Attention if irritation persists.

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- Skin contact:** In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. If skin irritation continues: Get medical attention.
- Inhalation:** After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin CPR. Seek immediate medical attention.
- Ingestion:** Rinse mouth. Do NOT give liquids to an unconscious or convulsing person.

SECTION V - FIREFIGHTING MEASURES

- Suitable Extinguishing Media:** Use dry powder, AFFF, alcohol-resistan foam, water in large amounts, and carbon dioxide.
- Special Fire Fighting Procedures** Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots).
- Unusual Fire Fighting Hazards:** Isolate from oxidizers, heat, sparks, electric equipment and open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions.

SECTION VI - ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Keep unprotected personnel away.
- Environmental Precautions:** Keep from entering storm sewers and ditches which lead to waterways.
- Methods for Cleaning Up:** Stop spill at source. Dike and contain.
Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

SECTION VII - HANDLING AND STORAGE

- Handling and Storage:**
- Keep away from heat and source of fire preferably in a ventilated area. Keep in tightly closed container. Do not breathe mist or dust. Containers of Glutaraldehyde may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Do not allow to freeze. Avoid contact. Do not store near food items or near Diammonium Phosphate.
 - Avoid contact with skin and eyes. Avoid contact with clothing. Remove and wash contaminated clothing before re-use. Avoid breathing vapors or mists. Do not ingest. Wash thoroughly after handling.
 - Isolate from oxidizers, heat & open flame. Use only with adequate ventillation.

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- Wear glasses, goggles, or face shield. Wear gloves, apron, and footwear impervious to material.
- Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of aerosols. Store in a cool, dry, well ventilated area. Store only in containers that are resistant to alkaline solutions. Keep away from incompatible materials.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Medium Aliphatic Naphtha	64742-88-7	100 ppm	100 ppm
Terpene Hydrocarbon	5989-275	Not Established	Not Established

Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosure, 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, general ventilation normally adequate. Eye wash facilities and emergency shower must be available when handling this product.

Safety shower and eye bath

RESPIRATORY EXPOSURE CONTROLS: A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirement or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Monitoring: Any clothing or shoes which became contaminated with the product should be removed immediately and thoroughly laundered before wearing again. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, using the lavatory and at the end of the working period. Remove contaminated clothing and protective equipment before entering eating areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment (PPE)

Eye Protection: Wear safety glasses with unperforated side shields or protective splash goggles during use. Wear face-shield and protective suit for abnormal processing problems.

Skin Protection: Use PPE that is chemical resistant to the product and prevents skin contact. Wear protective clothing to minimize skin contact. When skin contact is likely, wear Tychem SL or a similar protective suit. Wear appropriate heat resistant clothing when potential exists for contact with hot materials.

Respiratory Protection: Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, Water-White
Odor	Lemon
pH@25°C	N/A
Melting/Freezing Point	N/A
Flashpoint	58°C/137°F
Specific Gravity	0.798 6.646 ppg
Solubility	Negligible
Auto-Ignition Temperature	260C/ 500F
Decomposition Temperature	N/A
VOC Content	0
Odor Threshold	N/A
Boiling Range	178,190,201°C/354,375, 395°F
Evaporation Point	0.152
Flammable Limits - Upper	N/A
Flammable Limits - Lower	0.971
Vapor Pressure	1.0
Vapor Density (Air=1)	5.1
Viscosity	

SECTION X - STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Isolate from extreme heat & open flame.

Hazardous Decomposition/Byproducts: CO and CO₂ and unidentified organic compounds may form during combustion.
Carbon Oxides from burning.

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: Oxidizing solids.
Oxidizing liquids.

Incompatibilities: Avoid contact with: Nitrites. Strong acids. Strong oxidizers.
Product may potentially react with various halogenated organic solvents, resulting in temperature and/or pressure increases
Corrosive when wet. Heating above 60°C in the presence of aluminum can result in corrosion and generation of flammable hydrogen gas. Avoid unintended contact with: Halogenated hydrocarbons.

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SECTION XI - TOXICOLOGICAL INFORMATION

- Likely Route of Exposure:** Routes of entry: inhalation, skin & eyes, ingestion, skin absorption
- Inhalation:** Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor is harmful.
- Eye Contact:** Irritating to eyes
Primary irritation to eye, redness, tearing, blurred vision.
- Skin Contact:** Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin. No harmful effects from skin adsorption are expected.
May cause mild skin irritation, redness, itching and inflammation.
Irritating to skin.
- Ingestion:** Harmful if swallowed. May cause severe irritation and corrosive damage in the mouth, throat and stomach.
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.
- Acute Toxicity Value:** Eye contact: Burning, swelling or pain
Skin Contact: redness, itching or swelling
ingestion: severe pain, vomiting, diarrhea or collapse
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.
- Chronic (Long Term) Effects:** CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS: This product has no carcinogens listed by IARC, NTP, NIOSH OSHA or ACGIH, as of this date, greater or equal to 0.1%.

Toxicity:

Component Name	LD50	LC50
Medium Aliphatic Naphtha	Not Established	Not Established
Terpene Hydrocarbon	Not Established	Not Established

- Reproductive Effects** Not Applicable
- Teratogenicity** Not Applicable
- Mutagenicity** Not Applicable
- Embryotoxicity** Not Applicable
- Sensitization to Product** Not Applicable
- Synergistic Products** Not Applicable

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Carcinogenicity

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: This product may be harmful or fatal to plant and animal life if released into the environment.

Harmful to aquatic life.

Mobility: This material is a mobile liquid

Degradability: This product is partially biodegradeable.

BioAccumulation: Bioconcentration factor (BCF): 1.4 Method: (QSAR calculated value) This material is not expected to bioaccumulate.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Combustible Liquid, n.o.s.,

Contains: Medium Aliphatic Naphtha, Terpene Hydrocarbons

Hazard Class and Label: Combustible Liquid

Identification Number: UN1993, NA1993

Packaging Group: III

Other Shipping Info: Combustible liquid. Not DOT regulated on trucks in containers of < 119 gallons. IF > 2183 LB / 992 KG OF THIS PRODUCT IS IN 1 CONTAINER, IT EXCEEDS THE RQ OF NAPHTHALENE. "RQ" MUST BE PUT BEFORE THE DOT SHIPPING NAME.

DOT Shipping: corrosive liquid, basic, organic, N.O.S

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... All components of this product are on the TSCA list.

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

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SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
X		X		

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

CALIFORNIA PROPOSITION 65:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

HMIS Health: 1

HMIS Flammability: 2

HMIS Reactivity: 0

Additional:

Specification Information

Department issuing data sheet: Compliance Department

Email address: plant@ksolv.com

Training necessary: Training is required per the Occupational Safety and Health Administration (OSHA) Hazard Communication 29 CFR 1910.1200.

Disclaimer:

**HMIS rating involve data and interpretations that vary from company to company. They are intended only for rapid identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this product, all the information contained in this SD must be considered.

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