

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name SSS OmniAir™ Odor Management Refill, Mango Mist
Product # 74132
Version # 01
Issue date 01-03-2013
Revision date -
Supersedes date -
CAS # Mixture
Manufacturer/Supplier Triple S
2 Executive Drive
Billerica, MA 01862

Telephone number: (978) 667-7900
Emergency 1-888-779-1339

2. Hazards Identification

Physical state Liquid.
Appearance Clear, pale yellow liquid.
Emergency overview WARNING

Combustible liquid and vapor.
Causes skin irritation. May cause an allergic skin reaction. Harmful if swallowed - may enter lungs if swallowed or vomited.

OSHA regulatory status This product is hazardous according to OSHA 29 CFR 1910.1200.

Potential health effects

Routes of exposure

Inhalation. Eye contact. Skin contact.

Eyes

Direct contact with eyes may cause temporary irritation.

Skin

Causes skin irritation. May cause allergic skin reaction.

Inhalation

In high concentrations, vapors may be irritating to the respiratory system.

Ingestion

Harmful if swallowed - may enter lungs if swallowed or vomited.

Potential environmental effects The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
C11-15-ISOALKANES	90622-58-5	35 - 45
Linalool	78-70-6	20 - 30
Citronellol	106-22-9	1 - 3
Limonene	5989-27-5	1 - 3

Composition comments All concentrations are in percent by weight.

4. First Aid Measures

First aid procedures

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids wide apart. In case of irritation from airborne exposure, move to fresh air. Get medical attention if symptoms persist.

Skin contact

Wash with soap and water. Get medical attention if symptoms occur after washing.

Inhalation

If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Ingestion

Call a physician or poison control center immediately. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration.

5. Fire Fighting Measures**Flammable properties**

The product is combustible, but not flammable.

Extinguishing media**Suitable extinguishing media**

Water fog. Carbon dioxide (CO₂). Dry chemical. Foam.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters**Protective equipment and precautions for firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

Hazardous combustion products

Carbon oxides.

6. Accidental Release Measures**Personal precautions**

Ensure adequate ventilation. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with skin. See Section 8 of the MSDS for Personal Protective Equipment.

Environmental precautions

Do not contaminate water. Contact local authorities in case of spillage to drain/aquatic environment.

Methods for cleaning up

Remove sources of ignition. Beware of the explosion danger. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Small Spills: Absorb spillage with non-combustible, absorbent material.

Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

7. Handling and Storage**Handling**

Wear appropriate personal protective equipment. Provide adequate ventilation. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Wash thoroughly after handling.

Storage

Do not handle or store near an open flame, heat or other sources of ignition. Protect against direct sunlight. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials. Avoid uncoated metal containers. Minimize exposure to air.

8. Exposure Controls / Personal Protection**Occupational exposure limits**

No exposure limits noted for ingredient(s).

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 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.

Personal protective equipment**Eye / face protection**

Wear safety glasses with side shields (or goggles).

Skin protection

Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.

Respiratory protection

In case of inadequate ventilation use suitable respirator.

General hygiene considerations

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.

9. Physical & Chemical Properties**Appearance**

Clear, pale yellow liquid.

Physical state

Liquid.

Form

Liquid.

Color	Colorless to pale yellow.
Odor	Not assigned.
Odor threshold	Not available.
pH	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	Not available.
Solubility (water)	Not available.
Specific gravity	Not available.
Flash point	143.60 °F (62.00 °C)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Partition coefficient (n-octanol/water)	No data available.

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Contact with incompatible materials. Keep away from heat, sparks, and flame.
Incompatible materials	Strong oxidizing agents. Strong acids. Alkalis.
Hazardous decomposition products	Carbon oxides. Unidentified organic compounds.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
Limonene (5989-27-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	5 g/kg
<i>Oral</i>		
LD50	Rat	4400 mg/kg
Linalool (78-70-6)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	2000 mg/kg
	Rat	5610 mg/kg
<i>Oral</i>		
LD50	Mouse	3000 mg/kg

Sensitization	May cause allergic skin reaction.
Acute effects	Causes skin irritation. Harmful if swallowed - may enter lungs if swallowed or vomited.
Chronic effects	Chronic effects are not expected when this product is used as intended.
Carcinogenicity	None known.

IARC Monographs. Overall Evaluation of Carcinogenicity

Limonene (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

12. Ecological Information

Ecotoxicological data

Components	Species		Test Results
Limone (5989-27-5)			
Aquatic			
Crustacea	EC50	Daphnia	0.42 mg/l, 48 Hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	0.619 - 0.796 mg/l, 96 hours
Ecotoxicity	The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.		
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.		
Persistence and degradability	No data available.		
Bioaccumulation / Accumulation	No data available.		
Partition coefficient	No data available.		
Linalool			2.97
Limone			4.232
Mobility in environmental media	No data available.		

13. Disposal Considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations. Do not allow this material to drain into sewers/water supplies.
Waste from residues / unused products	Dispose of waste and residues in accordance with local authority requirements.
Contaminated packaging	Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is hazardous according to OSHA 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A)

No

Section 311/312 (40 CFR 370)

Yes

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)

Not controlled

Canadian regulations

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status

Controlled

WHMIS classification

B3 - Combustible Liquids
D2B - Other Toxic Effects-TOXIC

WHMIS labeling



Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

US - New Jersey RTK - Substances: Listed substance

Limonene (CAS 5989-27-5) Listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

Mexico regulations

This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 2
Flammability: 2
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 2
Instability: 0

Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.