



SAFETY DATA SHEET

Issuing Date 15-June-2018
Version 2

Revision Date 3-June-2021

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: LEMON & BASIL SOLID FRAGRANCE CONCENTRATE

Product Code: HA20171

Product Use: Fragrance application for plastic

Restrictions: For Manufacturing use only

Manufactured by: **HYSO LLC**
430 Gotham Parkway, 2nd Fl.
Carlstadt, NJ 07072
Phone: 201-635-9555

Emergencies Only: 570-357-4332

Initial Date Issued: June 15, 2018

SECTION 2: HAZARD(S) IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

| | |
|--------------------|-------------|
| Skin sensitization | Category 1B |
|--------------------|-------------|

GHS Label elements, including precautionary statements

Warning

Hazard Statements

May cause an allergic skin reaction
May form combustibles dust concentrations in air.



Appearance Translucent Yellow

Physical State @ 20°C Solid

Odor Characteristic

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Avoid breathing dust/fume/gas/vapors

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information

- Causes mild skin irritation
- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Routes of Entry: Inhalation, skin contact, ingestion.

Health Hazards: May be irritating to skin and eyes

NFPA Health Hazard Rating: 2

The specific chemical identities of this multi-component fragrance mixture are considered to be Trade Secrets and are withheld in accordance with provisions of S1940.1200 of Title 29 of the Code of Federal Regulations (CFR).

SECTION 4: FIRST AID MEASURES**First aid measures for different exposure routes**

| | |
|-----------------------------------|--|
| General advice | If symptoms persist, call a physician. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. |
| Skin contact | Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. Wash off immediately with soap and plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| Inhalation | Move to fresh air. If symptoms persist, call a physician. Seek medical attention immediately. Move to fresh air in case of accidental inhalation of vapors. Move to fresh air in case of accidental inhalation of vapors or decomposition products. |
| Ingestion | Do not induce vomiting. Drink plenty of water. Seek medical attention immediately. Rinse mouth. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician. |
| Protection of first-aiders | Use personal protective equipment. |

Most important symptoms/effects, acute and delayed**Indication of immediate medical attention and special treatment needed, if necessary**

Notes to physician May cause sensitization of susceptible persons. Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES**Suitable extinguishing media**

Use: Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Yes.

Protective equipment and precautions for firefighters

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

NFPA Fire Hazard Rating 1

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal precautions Use personal protective equipment. Avoid contact with the skin and the eyes. Evacuate personnel to safe areas. Keep people away from and upwind of spill. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. Floors may be slippery as pellets are a slip hazard, use care to avoid falling.

Environmental precautions

Environmental precautions Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further spillage if safe to do so. Prevent product from entering drains.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protective equipment. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

Other Information Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air. Use only non-sparking tools.

SECTION 7: HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Wear personal protective equipment. Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors. Avoid breathing dust. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep out of the reach of children. Keep container tightly closed. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from heat.

Incompatible Products None known based on information supplied

SECTION 8: EXPOSURE AND PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------------------|-----------------------------|--|---|
| Vinyl acetate 108-05-4 | STEL: 15 ppm TWA: 10 ppm | (vacated) TWA: 10 ppm (vacated) TWA: 30 mg/m ³ (vacated) STEL: 20 ppm (vacated) STEL: 60 mg/m ³ | Ceiling: 4 ppm 15 min Ceiling: 15 mg/m ³ 15 min |

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Exposure controls

Engineering Measures Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles. Face-shield.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hand/Skin Protection Protective gloves and clothing if contact is likely with hot or molten material. Usual safety precautions while handling the product will provide adequate protection.

Hygiene measures When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information On Basic Physical And Chemical Properties

| | |
|----------------------|--------------------------|
| Physical State @20°C | Solid Pellet |
| Appearance | Translucent yellow |
| Odor | Characteristic |
| Odor Threshold | No information available |
| pH | Not applicable |
| Melting point/range | 80 - 120° C |
| Freezing Point | Not applicable |
| Boiling Point | Not applicable |
| Flash point | >94° C |

| | |
|------------------------------|--------------------------|
| Evaporation Rate VALUE | Not applicable |
| Flammability Limits in Air | No information available |
| Explosive properties | No information available |
| Oxidizing Properties | No information available |
| Vapor Pressure @20°C (mmHg) | Not applicable |
| Vapor Density | No information available |
| Specific Gravity | 0.965 |
| Water Solubility | Insoluble |
| Solubility | No information available |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition Temperature °C | >230° C |
| Viscosity, dynamic | No information available |
| Molecular Weight | No information available |
| VOC Content | No information available |

SECTION 10: STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable Under recommended storage conditions |
| Reactivity: | No applicable data available |
| Chemical Stability: | Stable at normal temperatures and storage conditions |
| Possibility of Hazardous Reactions: | Polymerization will not occur |
| Conditions to Avoid: | Sources of ignition |
| Reactivity Hazard Rating; | 0 |
| Hazardous Decomposition Products: | Decomposition products depend upon temperature, air supply and the presence of other materials. Processing may release fumes and other decomposition products. At temperatures exceeding melt temperatures, polymer fragments can be released. Fumes can be irritating. Decomposition products can include and are not limited to: Aldehydes. Alcohols. Acetic Acid. Organic Acids. Decomposition products can include trace amounts of Hydrocarbons. |

SECTION 11: TOXICOLOGY INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | Product does not present an acute toxicity hazard based on known information |
| Inhalation | There is no data available for this product. |
| Eye contact | There is no data available for this product. |

Skin contact There is no data available for this product.

Ingestion There is no data available for this product.

| Chemical name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------------|--------------------|-----------------------|---|
| Vinyl acetate 108-05-4 | 2920 mg/kg (Rat) | 2320 mg/kg (Rabbit) | 11.4 mg/L (Rat) 4 h 11400 mg/m ³ (Rat) 4 h |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

mutagenic effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACG | IARC | NTP | OSHA |
|---------------------------|-----|----------|-----|------|
| Pulegone 89-82-7 | - | Group 2B | - | - |
| Vinyl acetate 108-05-4 | A3 | Group 2B | - | X |

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive Toxicity No information available

Specific target organ systemic toxicity (single exposure) No information available

Specific target organ systemic toxicity (repeated exposure) No information available

Chronic toxicity Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 77.9981% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 15657 mg/kg

ATEmix (dermal) 50248 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

77.9981% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and |
|---------------------------|-------------------|---|--------------------------------------|
| Vinyl acetate 108-05-4 | - | LC50: 14 mg/L 96h static (Pimephales promelas) LC50: 26.1 - 36.63 mg/L 96h static (Poecilia reticulata) LC50: 15.04 - 21.54 mg/L 96h static (Lepomis macrochirus) | EC50: 52 mg/L 24h (Daphnia magna) |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical name | log Pow |
|-----------------------------|------------|
| Benzyl benzoate 120-51-4 | 4 |
| Citral 5392-40-5 | 2.76 |
| Linalool 78-70-6 | 2.84 – 3.1 |
| Vinyl acetate 108-05-4 | 0.73 |

Other adverse effects

No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods Dispose of in accordance with local regulations.

Contaminated packaging Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical name | California Hazardous Waste Status |
|---------------------------|-----------------------------------|
| D-Limonene 5989-27-5 | Toxic |
| Vinyl acetate 108-05-4 | Toxic Ignitable |

| |
|---|
| SECTION 14: TRANSPORTATION INFORMATION |
|---|

DOT

| | |
|---------------------------|---------------|
| BULK PACKAGING | Not regulated |
| NON BULK PACKAGING | Not regulated |

| |
|---|
| SECTION 15: REGULATORY INFORMATION |
|---|

International Inventories

| | |
|----------------------|----------------|
| TSCA | - |
| DSL/NDS | Not determined |
| EINECS/ELINCS | - |
| ENCS | Not determined |
| IECSC | Not determined |
| KECL | Not determined |
| PICCS | Not determined |
| AICS | Not determined |

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | no |
| Fire Hazard | no |
| Sudden Release of Pressure Hazard | no |
| Reactive Hazard | no |

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Vinyl acetate 108-05-4 | 5000 lb | - | - | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|---------------------------|--------------------------|------------------------------------|---|
| Vinyl acetate 108-05-4 | 5000 lb | 5000 lb | RQ 5000 lb final RQ RQ 2270 kg final RQ |

U.S. State Regulations**California Proposition 65**

The product contains the following Proposition 65 chemical:

| Chemical name | California Prop. 65 |
|-----------------------|---------------------|
| Estragole 140-67-0 | Carcinogen |
| Myrcene 123-35-3 | Carcinogen |
| Pulegone 89-82-7 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---------------------------|------------|---------------|--------------|
| Alpha Pinene 80-56-8 | X | X | X |
| Terpinolene 586-62-9 | X | - | - |
| Vinyl acetate 108-05-4 | X | X | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

SECTION 16: OTHER INFORMATION

| | | | | |
|--------------------|------------------------|-----------------------|--------------------------|------------------------------|
| <u>NFPA</u> | Health Hazard 2 | Flammability 1 | Instability 0 | |
| <u>HMIS</u> | Health Hazard 2 | Flammability 1 | Physical Hazard 0 | Personal protection X |

Revision Date: 3-June-2021
Revision Note: No Information Available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet