

Material Safety Data Sheet

Product Use and Type: Mixture of flavor materials
 Revision Date: 7/27/2012 Version : 2

1. Chemical Product and Company Identification

Product code: SN1000057680
 Product Name: AMF5015ORG-OrgYeastAutolysate
 CAS Registry Number: mixture
 Company Name: Sensient Flavors LLC
 5600 West Raymond Street
 Indianapolis, IN. 46241-4343
 USA



Telephone Numbers: Transport Emergency:(CHEMTREC):1 800-424-9300 (CHEMTREC INTERNATIONAL):01-703-527-3887
 Product Information:1 317-243-3521

Hazard Overview

NFPA

Health: 2 = MODERATE
 Flammability: 1 = Combustible if heated
 Reactivity: 0 = MINIMAL
 Special Risk: NONE
 Symbol(s): Not Determined

OSHA

Flammability: Not applicable

2. Composition, Information on Ingredients

The identity of the individual components of this product is proprietary information and is considered a trade secret pursuant to 29 CFR 1910.1200

Hazardous components as defined in the OSHA Hazard Communication Standard: components with a HEALTH hazard (carcinogens, toxic or highly toxic agents, reproductive toxins, irritants, corrosives, sensitizers, hepatotoxins, nephrotoxins, neurotoxins, etc..) and/or a PHYSICAL hazard (a combustible liquid, a compressed gas, explosive, flammable, an organic peroxide, an oxidizer, pyrophoric, unstable (reactive) or water-reactive, etc.)

Components are exempt in respect of the requirement to disclose the chemical identity and concentration under CPR Section 5.1(3).

See sections 3, 8 and 15 for additional information.

3. Hazards Identification

NIOSH has reported the occurrence of severe lung disease in some workers who make or use flavorings.

According to the December 2003 NIOSH Alert, the main respiratory symptoms experienced by workers affected by fixed airways obstruction include cough (usually without phlegm) and shortness of breath on exertion. NIOSH further reports that some workers may experience fever, night sweats, and weight loss.

This mixture has not been tested as a whole. It contains ingredients which could be released from the mixture in concentrations which would exceed an established OSHA permissible exposure limit or ACGIH Threshold Limit Value, or could present a health risk to employees.

Route

Effect

INHALATION:

Inhalation may cause chest tightness.
 Inhalation affects target organs.
 Inhalation may cause coughing.
 Harmful if inhaled.
 Inhalation may cause breathing difficulty.
 Ingestion may cause tooth decay.
 Ingestion may cause sore throat and stomach pain.
 Ingestion may cause nausea and vomiting.
 Ingestion may cause diarrhea.
 Harmful by ingestion.

INGESTION:

SKIN:

Prolonged or repeated exposure can cause drying, defatting and dermatitis of skin.
 Skin may become sensitized by contact.
 Skin contact harmful.

EYE: Risk of serious damage to eyes.
Irritant to eyes.

Other hazards:

Target Organ: Upper respiratory tract.
Repeated or prolonged contact may cause allergic skin reaction.
Mutagenicity: Not Determined
Teratogenicity: Not Determined

4. First Aid Measures

Eye Contact: Flush immediately with water for at least 15 minutes. Contact a physician if symptoms persist.

Skin Contact: Remove contaminated clothing. Wash affected area thoroughly with soap and water. Contact a physician if symptoms persist.

Ingestion: Contact a physician.

Note to Physician: Not Determined.

Inhalation: Remove from exposure to fresh air. Obtain medical advice as necessary. Resuscitate or administer oxygen as needed.

5. Fire Fighting Measures

Flash Point: 201.0 °F (93.9 °C)

Equipment: Wear full bunker gear including a positive pressure self-contained breathing apparatus in any closed space.

Extinguishing Media: Water spray, all-purpose dry chemical, CO2.

Unusual Fire & Expl. Hazard: Dust may become explosive at critical concentration in the air.

Auto-Ignition Temperature: Not Determined

Lower Flammability Limit: Not Determined **Upper Flammability Limit:** Not Determined

6. Accidental Release Measures

Spill and Leak Procedure: Eliminate all ignition sources. Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent materials.

Personal Protection: Use personal protective equipment as indicated in Section 8

7. Handling and Storage

Handling: Avoid excessive inhalation of concentrated vapors. Follow good manufacturing practices for housekeeping and any breaks and meals, and at the end of each work period. Contaminated exposed skin immediately after any chemical contact, before personal hygiene. Wash clothing and shoes should be thoroughly cleaned before reuse. If appropriate, procedures used during the handling of this material should also be used when cleaning equipment or removing residual chemicals from tanks or other containers, especially when steam or hot water is used, as this may increase vapor concentrations in the workplace air. Where chemicals are openly handled, access should be restricted to properly trained employees.

Storage: Store in a tightly closed container in a cool, dry, well-ventilated area.

Shelf Life (in days): 730

Heating: Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.

8. Exposure Control, Personal Protection

Eye and Face Protection:

Safety eyewear

Skin Protection:

Impervious gloves

Respiratory protection:

Control worker exposure to below detectable levels. However, if an effective ventilation system is not in use, use a NIOSH-approved respirator for organic vapors and/or dusts.

Closed Systems:

Where appropriate, use closed systems to transfer and process this material.

Isolation:

If appropriate, isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.

Ventilation:

Use local exhaust as required to capture all airborne vapors and dust

Exposure Monitoring:

If necessary, use an experienced air-sampling expert to identify and measure volatile chemicals that could be present in the workplace air to determine potential exposures and to ensure the continuing effectiveness of engineering controls and operation practices to minimize exposure.

Worker Health Monitoring:

If necessary, implement pre-placement and regularly scheduled ascertainment of symptoms and spirometry testing of lung function for workers who are regularly exposed to this material.

Additional Information:

In December 2003, the National Institute for Occupational Safety and Health (NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a report entitled, "Respiratory Safety in the Flavoring Manufacturing Workplace". Both of these documents provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these documents are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these documents.

9. Physical and Chemical Properties

Physical State: Solid

Odor: Savory - yeast

Appearance: Powder

Color: Yellow to beige

pH: Not Determined

Vapor Pressure (mmHg): Not Determined

Vapor Density: Not Determined

Boiling Point: Not Determined

Melting Point: Not Determined

Water Solubility: Soluble

Oil Solubility: Insoluble

Specific Gravity: Not Determined

Refractive Index: Not Determined

Evaporation Rate: Not Determined

Coefficient of Water/Oil Distribution: Not Determined

Flash Point: 201.0 °F (93.9 °C)

Odor Threshold(ppm): Not Determined

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage

Conditions to Avoid:

Not Determined.

Incompatibility:

Avoid contact with acids, bases and oxidizing agents.

Decomposition:

Burning produces Carbon Monoxide and/or Carbon Dioxide

Polymerization:

Will not occur.

11. Toxicological Information

Not Determined

12. Ecological Information

Avoid contamination of soil, ground and surface water.

13. Disposal Consideration

Disposal Procedures:

Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules). Do not dump into sewers, any body of water or onto the ground.

14. Transportation

ROAD (DOT/TDG/SCT):

DOT Proper Shipping Name: FLAVORING COMPOUNDS, N.O.I.

Air (IATA):

IATA-Shipping name: FLAVORING COMPOUNDS, N.O.I.

Sea (IMDG):

IMDG-Shipping name: FLAVORING COMPOUNDS, N.O.I.
Marine pollutant: Not Regulated

15. Regulatory Information

TSCA (Toxic Substances Control Act):

This material contains substances listed under the following TSCA sections:
8b

California Proposition 65:

This product does not contain any reproductive toxicant and/or California Proposition 65 regulated substances

SARA 313:

This product does not contain any SARA313 regulated ingredients

CANADA:

WHMIS:

This product is not WHMIS controlled

DSL-list (Canada)

Unknown

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulation (CPR) and this MSDS contains all the information required by the CPR.

16. Other Information

The information in the MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the use, handling, storage and disposal of this product are beyond Sensient control, it is the responsibility of the user both to determine safe conditions for the use of this product and to assume liability of loss, damage or expense arising out of the product's improper use. No warranty expressed or implied regarding the product described herein shall be created by or inferred from any statement or omission in this MSDS. Various Federal, State or Provincial agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product, which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance. This MSDS cancels and replaces any preceding release.

Main bibliographic sources:

LOLI database by ChemAdvisor.

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

MSDS prepared by Quality Assurance/ Regulatory Department Sensient Flavors USA