

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product name RY-1013/1 Lavender & Vanilla

Other means of identification

Synonyms No information available

Recommended use of the chemical and restrictions on use

Recommended use Fragrances
For industrial use only

Details of the Supplier of the Safety Data Sheet

Supplier Address

Takasago International Corporation FOR
SCENTCO, LLC (USA)
93 Genesis Pkwy
Thomsville, GA 31792
Phone: 229-227-0737

Emergency telephone number

Company Phone Number Health & Environmental: 1-201-767-9001 9 a.m - 5 p.m. EST M-F

Emergency telephone number

CHEMTREC: 1-800-424-9300 24 hours Everyday
CHEMTREC (International): 01-703-527-3887 [U.S.A.] 24 hours Everyday

2. Hazard identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin Sensitization	Category 1B
Flammable liquids	Category 4

Label Elements

Warning

Hazard Statements

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Combustible liquid



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Keep away from heat/sparks/open flames/hot surfaces. - No smoking

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/containers in accordance with local regulations

Hazards Not Otherwise Classified (HNOC)

None known

Other information

Other Hazards None known

3. Composition/information on Ingredients**Hazardous components**

The identity of the individual components of this mixture is proprietary information and is regarded to be a trade secret. It is withheld in accordance with the provisions of 29 CFR 1910.1200.

4. First aid measures**FIRST AID MEASURES**

General advice	When in doubt or if symptoms are observed, get medical advice.
Inhalation	Move to fresh air. Consult a physician if necessary.
Skin contact	Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion	Rinse mouth. Give up to one tumbler (half-pint) of milk or water. Consult a physician.
Self-protection of the first aider	Use personal protection recommended in Section 8.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms No known symptoms to date.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing mediaFoam. Carbon dioxide (CO₂). or. Dry chemical.**Large Fire**

Alcohol resistant foam. Water spray.

Unsuitable extinguishing media Full water jet.**Special hazards arising from the substance or mixture**In case of fire may be liberated, Carbon monoxide, Carbon dioxide (CO₂), Burning produces heavy smoke, Do not inhale explosion and combustion gases.**Protective equipment and precautions for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Use water spray jet to protect personnel and to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Remove all sources of ignition. Ensure adequate ventilation.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

Methods and material for containment and cleaning up**Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable and closed containers for disposal.

7. Handling and Storage**Precautions for Safe Handling****Advice on safe handling**

Avoid contact with skin and eyes. Avoid prolonged inhalation of vapors. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities**Storage conditions**

Store in tightly closed and upright containers in a cool, dry, ventilated area. Store away from light, heat, and sources of ignition.

8. Exposure Controls/Personal Protection**Control Parameters****Exposure guidelines**

This product contain(s) the following substance(s) with occupational exposure limits established by OSHA under 29 CFR 1910 subpart Z, ACGIH or NIOSH.

	ACGIH OEL	OSHA PEL	NIOSH IDLH
2-METHYLPENTANE-2,4-DIOL 107-41-5	25 PPM (Ceiling)		
BORNAN-2-ONE 76-22-2	3 PPM (STEL) 2 PPM (TWA)	2 MGM3 (TWA)	200 MGM3
BENZYL ACETATE 140-11-4	10 PPM (TWA)		

Appropriate Engineering Controls**Engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations. Do not subject

to unnecessarily high temperatures during processing.

Individual protection measures, such as personal protective equipment

Eye/face protection	Eye glasses with side protection.
Hand protection	Wear chemically resistant gloves in combination with 'basic' employee training.
Skin and body protection	Wear appropriate personal protective clothing to prevent skin contact.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
General Hygiene Considerations	Remove and wash contaminated clothing before re-use.
FEMA Statement	This product does not contain any substances at $\geq 0.1\%$ listed as High Priority in Table 1 of the Flavor and Extract Manufacturers Association of the United States Respiratory Health and Safety in the Flavor Manufacturing Workplace (2012 edition) This product does not contain any substances at $\geq 1.0\%$ listed as Low Priority in Table 1 of the Flavor and Extract Manufacturers Association of the United States Respiratory Health and Safety in the Flavor Manufacturing Workplace (2012 edition)

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Liquid
Color	COLORLESS TO LIGHT YELLOW
Odor	LAVENDER, FLORAL, SANDALWOOD, MUSK BOUQUET
Odor threshold	No data available

<u>Property</u>	<u>VALUES</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Boiling point / boiling range	No data available	
Flash point	92.8 °C / 199 °F	Closed cup, ASTM D93 equivalent
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Flammability limit in air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	0.052 mmHg@20°C (calculated)	
Vapor density	No data available	
Relative Density	0.9230-0.9430 (D25°C/25°C)	
Relative Density	No data available	
Water solubility	No data available	
Solubility in other solvents	No data available	
Partition coefficient: n-octanol/water	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive Properties	No data available	
Oxidizing Properties	No data available	

Other information

Refractive Index	1.4380-1.4480 (n _{25°C/D})
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10. Stability and Reactivity

Reactivity

None under normal use conditions.

Chemical stability

Stable under normal conditions. Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight. Do not heat closed containers.

Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

Hazardous decomposition products

None under normal use.

11. Toxicological Information**Information on Likely Routes of Exposure**

Product Information	No data available.
Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Information on Toxicological Effects

Symptoms	No information available.
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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	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Numerical Measures of Toxicity - Product Information

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

ATEmix (oral)	4326 mg/kg
ATEmix (dermal)	23224 mg/kg
ATEmix (inhalation-dust/mist)	299.8 mg/l

12. Ecological Information

Ecotoxicity	Toxic to aquatic life with long lasting effects.
Persistence and degradability	No information available.
Bioaccumulative potential	No information available
Other adverse effects	No information available

13. Disposal Considerations**Waste Treatment Methods**

Waste disposal method	Dispose of in accordance with local regulations.
Contaminated packaging	Do not reuse container.

14. Transport Information**DOT Non-bulk Packaging**

UN/ID no	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
Marine Pollutant	Not regulated

Air transport (ICAO-TI / IATA-DGR)

UN/ID no	3082
Proper Shipping Name	Environmentally hazardous substances, liquid, n.o.s. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one AND 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)
Hazard Class	9
Packing group	III

Sea transport (IMDG)

UN/ID no	3082
Proper Shipping Name	Environmentally hazardous substances, liquid, n.o.s. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one AND 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)
Hazard Class	9
Packing group	III
EmS No	F-A, S-F
Marine Pollutant	Yes

15. Regulatory Information**Federal Regulations****SARA 313**

This propriety mixture does not contain any chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

SARA 311/312 Hazardous Categorization -

Acute health hazard	Yes
Chronic health hazard	No

Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

16. Other Information

Revision date 25-May-2016

Disclaimer

The information in this MSDS was obtained from current and reputable sources. However, the data is provided without any warranty, express or implied regarding its accuracy. Where the handling, storage and disposal of this material is beyond the immediate control of Takasago International Corporation, it shall be the user's responsibility to determine safe conditions for the use of this product. The user assumes all liability for loss, injury damage or expense resulting from the improper use of this product.

End of Safety Data Sheet