

SAFETY DATA SHEET

In accordance with the requirements of US 29 CFR Parts 1910, 1915, and 1926.

Givaudan

STABILENHANCE® OSR 2

Version 2.0

Revision Date 06 DEC 2024

Print Date 29 JAN 2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Sales No. : BA201190
STABILENHANCE® OSR 2
SP70224

Relevant identified uses of the substance or mixture and uses advised against : Compound ingredient for foodstuffs. Not for retail sale

Intended Use Flavours

Company : Givaudan Flavors Corporation
375 Huyler Street
SOUTH HACKENSACK NJ 07606
UNITED STATES OF AMERICA

Emergency telephone number : +18669280789

Please refer to section 16 for a full list of emergency phone numbers.

SECTION 2. HAZARDS IDENTIFICATION

|| Not a hazardous substance or mixture.

Label elements

Labelling (REGULATION 29 CFR Parts 1910, 1915, and 1926).

Hazards not Otherwise Classified. : None

Please note: Mixtures have not been tested for health hazards. The health hazard information presented is provided in accordance with US 29 CFR 1910.1200 and is based on the testing of individual components which have been shown to cause or may cause these health effects when tested at higher concentrations or at full strength.

Ingredients with unknown acute toxicity.:

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 0 %

Administrative information:

Report Information: SDS_US/EN/GHS_SDS_NA_REGION/29

Sales & Distribution Information: HS01/FL/US10/01/0010041754/0101869894/000010

Shipping Order Information: 32,990,911/28,670,553

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

None known.

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

First aid measures

Description of first aid measures

General advice	: No hazards which require special first aid measures. Consult physician or Poison Control Center. The National Hotline for US Poison Control Centers is 1.800.222.1222; https://www.poison.org
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: Immediately seek medical attention if chemical entered ear canal.
In case of eye contact	: Protect unharmed eye. Remove contact lenses. If eye irritation persists, consult a specialist.
If swallowed	: Immediately consult Poison Control Center or physician. Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

no data available

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : no data available

Special hazards arising from the substance or mixture

Specific hazards during firefighting : no data available

Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

Material can create slippery conditions.

Environmental precautions

Prevent product from entering drains.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up

Clean contaminated floors and objects thoroughly while observing environmental regulations.

Wipe up with absorbent material (e.g. cloth, fleece).

Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

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Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Cool 10-18°C (50-65°F)
Dry, preferably full, hermetically sealed

Advice on common storage : Protect against light.

Other data : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Exposure limit(s) : None established

Exposure controls

Exposure assessment: Exposures are dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional PPE. The PPE indicated below are recommendations for worst-case scenario exposures. An exposure assessment will identify more applicable measures to be implemented. EN and ANSI standards are mentioned in the following recommendations, consult equivalent local standards when required.

PPE is always the last resort to avoid exposure. In any case technical and organisational measures have to be explored and used prior to the selection of PPE. The PPE selection is for operators trained to work with chemicals according to good industrial hygiene and safety practice. Operators have to be trained on the use of PPE.

Engineering measures

Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use the product only with adequate ventilation.

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Personal protective equipment

Eye/face protection : Use safety glasses tested according to EN 166/ANSI Z87.1 or equivalent local standard.

Hand protection : Use gloves when handling substance in open systems. Inspect gloves prior to use. Train operators for proper use. If only incidental exposure is expected: (work without direct contact to substance) use gloves tested according EN 16523-1/ASTM F739 or equivalent local standard breakthrough times at least 10 minutes, tested for chemicals indicated in chapter 3 of this SDS. Change gloves frequently. If direct skin contact is expected: use gloves tested according to EN 16523-1/ASTM F739 or equivalent local standard, tested for chemicals indicated in chapter 3 of this SDS. Permeation time must exceed contact time.

Other skin protection : Wear working clothes covering arms and legs.

Respiratory protection : Respiratory protection should be worn when workplace exposures exceed exposure limit requirements or guidelines. If there are no applicable exposure limits or guidelines, use an approved respirator where there is a potential for adverse effects, including but not limited to respiratory irritation or odor, or where indicated by the exposure assessment. Selection of air-purifying or positive-pressure supplied-air will depend on the results of the exposure assessment which includes an evaluation of the specific operations and the potential airborne concentrations. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

In case a risk analysis proved the cartridge respirator as acceptable, use type:
ABEK-P3 (EN 14387) OR Combination Multi-gas/P100 (42CFR84.193; ANSI Z88.7 or equivalent local standard) as a backup to engineering controls.

In absence of engineering controls, use self-contained breathing apparatus or full face supplied air respirators. Use respirators and components tested and approved under appropriate government standards such as CEN (EU) or NIOSH 42 CFR 84(US).

Thermal hazards : Wear appropriate thermal protective clothing, when necessary.

Hygiene measures : Remove contaminated clothing and protective equipment before entering eating areas.
Do not eat, drink or smoke during work.
Wash hands any time after handling the product.

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Environmental exposure controls

General advice : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	liquid
Form	:	Liquid
Color	:	amber to Reddish brown
Taste	:	Neutral
Odor	:	not determined
Odour Threshold	:	Not applicable
Flash point	:	> 201 °F (> 94 °C) Method: closed cup
Lower explosion limit	:	not determined
Upper explosion limit	:	not determined
Flammability	:	Not applicable
Auto-ignition temperature	:	not determined
Decomposition temperature	:	no data available
pH	:	not determined
Melting point	:	no data available
Boiling point	:	no data available
Vapor pressure	:	no data available
Density	:	928.32 kg/m ³ at 68 °F (20 °C)
Bulk density	:	Not applicable
Solubility/qualitative	:	dispersible
Partition coefficient: n-octanol/water	:	Not applicable
Viscosity, kinematic	:	no data available
Relative vapour density	:	no data available
Evaporation rate	:	no data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

No decomposition if stored and applied as directed.

Chemical stability

No decomposition if stored and applied as directed.

Possibility of hazardous reactions

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Hazardous reactions : Stable under recommended storage conditions., No hazards to be specially mentioned.No dangerous reaction known under conditions of normal use.

Conditions to avoid

Conditions to avoid : no data available

Incompatible materials

Materials to avoid : Not applicable

Hazardous decomposition products

Hazardous decomposition products : no data available

Thermal decomposition : no data available

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity : No data is available on the product itself.

Acute inhalation toxicity : No data is available on the product itself.

Acute dermal toxicity : No data is available on the product itself.

Acute toxicity (other routes of administration) : No data is available on the product itself.

Skin corrosion/irritation : No data is available on the product itself.

Serious eye damage/eye irritation : No data is available on the product itself.

Respiratory or skin sensitisation : No data is available on the product itself.

Mutagenicity : No data is available on the product itself.

Teratogenicity : No data is available on the product itself.

Reproductive toxicity

Not classified due to lack of data.

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Carcinogenicity:

IARC	:	Remarks	: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	:	Remarks	: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	:	Remarks	: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
STOT - single exposure	:		: No data is available on the product itself.
STOT - repeated exposure	:		: No data is available on the product itself.
Aspiration hazard	:		: No data is available on the product itself.
Further information	:		: no data available

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SECTION 12. Ecological information

Ecological information is not reported.

SECTION 13. DISPOSAL CONSIDERATIONS

Product : Dispose of in accordance with local, state and federal regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

Dispose of in accordance with local regulations.

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SECTION 14. TRANSPORT INFORMATION**14.1 UN number**

N/A

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

N/A

14.4 Packing group

N/A

14.5 Environmental hazards

N/A

14.6 Special precautions for user**IMDG**IMDG Code Segregation : None
Group**14.7 Transport in bulk according to IMO instruments**

Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

Only relevant information is reported

SARA 311/312 Hazards. : No SARA Hazards**SECTION 16. OTHER INFORMATION****Further information**

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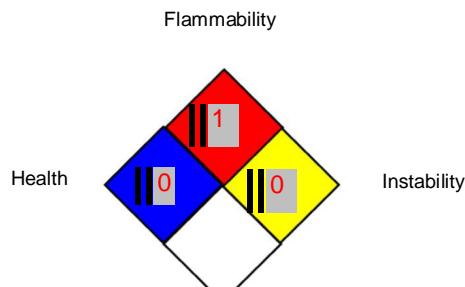
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NFPA 704:



Special hazard

Full list of Emergency response numbers worldwide.

	Country	Phone nr		Country	Phone nr
Europe	All Europe	+44 1235 239670	APAC	All East/South East Asia	+65 3158 1074
	France	+33 1 72 11 00 03		Sri Lanka	+65 3158 1195
	Germany	+49 89 220 61012		Taiwan	+886 2 8793 3212
	Spain	+34 91 114 2520		Japan	0120 015 230
	Italy	800 699 792		Indonesia	007 803 011 0293
	Netherlands	+31 10 713 8195		Malaysia	+60 3 6207 4347
	Turkey	0800 621 2139 +44 1235 239670		Thailand	001 800 120 666 751
	Norway	+47 2103 4452		India	+65 3158 1198 000 800 100 7479
	Greece	+30 21 1198 3182		Pakistan	+65 3158 1329
	Portugal	+351 30880 4750		Bangladesh	+65 3158 1200
	Denmark	+45 8988 2286		Philippines	+63 2 8231 2149
	Sweden	+46 8 566 42573		Vietnam	+84 28 4458 2388
	Poland	+48 22 307 3690		Korea	+65 3158 1285
	Czech republic	+420 228 882 830		South Korea	+82 2 3479 8401
	Finland	+358 9 7479 0199		Australia	+61 2 8014 4558
Middle East/Africa	All Middle East/Africa	+44 1235 239671		New Zealand	+64 9 929 1483
	Bahrain and	+44 1235 239671		China	+86 532 8388 9090

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	Middle East				
	Africa/South Africa	+27 21 300 2732		Mexico	+52 55 5004 8763
NOAM	USA and Canada	+1 866 928 0789	LATAM	Brazil	+55 11 3197 5891
	USA and Canada	+1 215 207 0061		Chile	+56 2 2582 9336
	USA and Canada	+1 202 464 2554		Colombia	+57 1 508 7337
	Global	+44 1865 407333		Argentina	+54 11 5984 3690

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.

Information displayed in section 3 (Composition/information on ingredients) is additional information to understand the hazards of the product and ensure safe handling, storage and transportation. This information, including CAS numbers, is not meant to be used for registration, notification or any other purposes. Any additional information and documentation needed may be provided by Givaudan.

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