

Firmenich

GHS Safety Data Sheet

According to Regulation ST/SG/AC.10/30/Rev.8 UN GHS

This Safety Data Sheet cancels and replaces all preceding SDS for this product.

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

969380

OXANE

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1.2 Relevant identified uses of the substance or mixture and uses advised against

Ingredient for use in products that may be ingested and/or fragrance ingredient for use in consumer product.

Not for personal use in this form or concentration.

Intended to be used in the manufacture of products for consumers

1.3 Details of the supplier of the safety data sheet

Firmenich Aromatics Production (India) Private Limited

9th Floor, Arena Space Building, Plot No.4, Survey No. 20

New Shyam Nagar Road, Jogeshwari Vikroli Link Road

Jogeshwari East, Mumbai 400 060

INDIA

Tel: +91-22-66196000

GRS.Flavour.FIRINDIA@firmenich.com

1.4 Emergency telephone number

+65 3158 1198 Available 24/7 (NCEC)

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation ST/SG/AC.10/30/Rev.8 [UN/GHS]

Flammable Liquid - Cat. 4 H227

Acute Toxicity (oral) - Cat. 5 H303

Eye Irritation - Cat.2B H320

Specific Target Organ Toxicity - Single Exposure - Cat. H336

3 Narcotic Effects

Environmental Hazard (acute) - Cat. 3 H402

Environmental Hazard (chronic) - Cat. 3 H412

2.1.2 Additional information

Full text of listed statements : See section 16

2.2 Label elements

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Hazard pictograms:



Signal Word:

Warning

Hazard Statements:

H336	May cause drowsiness or dizziness.
H227	Combustible liquid
H303	May be harmful if swallowed.
H320	Causes eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261	Avoid breathing mist/vapours.
P264	Wash thoroughly after handling.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

No data available at this time.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Contains :

>= 50.0 < 60.0%
1,3-Oxathiane, 2-Methyl-4-Propyl-, Cis-
N° CAS : 0059323-76-1
N° EINECS: 261-699-8
N° EU REACH: 01-2120065073-64

GHS Classification:

Specific Target Organ Toxicity - Single Exposure -
Cat. 3 Narcotic Effects [H336]
Eye Irritation - Cat.2B [H320]
Environmental Hazard (chronic) - Cat. 3 [H412]
Environmental Hazard (acute) - Cat. 3 [H402]
Acute Toxicity (oral) - Cat. 5 [H303]
Flammable Liquid - Cat. 4 [H227]

4 FIRST-AID MEASURES

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4.1 Description of first aid measures

General information:

As in all cases of potential poisoning, Obtain medical advice immediately.

In case of eye contact:

Irrigate copiously with water for at least 10 minutes. Obtain medical advice if any irritation or evidence of tissue damage persists.

In case of inhalation:

Remove the individual to fresh air and keep at rest. Obtain medical advice immediately.

In case of skin contact:

Remove contaminated clothes. Wash skin with large volumes of water.

If irritation persists, or any sign of tissue damage is apparent, obtain medical advice immediately.

In case of ingestion:

Rinse mouth with water. Obtain medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

No specific data available.

4.3 Indication of immediate medical attention and special treatment needed

No specific data available.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

In the event of fire, adequate extinguishers should be used. Avoid inhalation of smoke and fumes. In case of insufficient ventilation, wear suitable respiratory equipment.

5.2 Special hazard arising from the substance or mixture

No specific hazard known.

5.3 Advice for fire-fighters

No specific advice.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Adequate protective gloves should be worn when handling spillages. No smoking. Avoid naked flames or other potential sources of ignition (eg. electrical equipment).

Avoid skin contamination and inhalation of vapour.

Individual washing routines should be followed after any potential contact.

Ensure adequate ventilation in working areas following accidental releases.

For emergency personnel:

Apply the same recommendations as section 6.1

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6.2 Environmental precautions

Do not discharge directly into drains, air, into soil or into the aquatic environment.

6.3 Methods and material for containment and cleaning up

For containment:

Any absorbent used for cleaning up spillage should be disposed promptly, accordingly to local regulation.

Gross spillages should be contained by any means, and disposal of this should be in accordance with Government Regulations.

For cleaning-up:

Spillages should be disposed of in accordance with Governmental Regulations.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Wear adequate protective gloves protection and eye/face protection.

No smoking. Avoid any sources of ignition.

Avoid exposing to high temperature during processing.

Do not ingest or apply to the skin as such. Good personal washing routines should be followed.

Maintain adequate local and general ventilation where product is handled.

7.1.1 Protective measures

Keep strict control of dust accumulation to a minimum. Maintain adequate local and general ventilation where product is handled. Avoid any sources of ignition.

7.1.2 Advice on general occupational hygiene

Good personal washing routines should be followed.

7.2 Conditions for safe storage, including any incompatibilities

It is good general practice to store in closed, preferably full, containers away from heat sources, and protected from extremes of temperature. Do not re-use the empty container.

Respect general rules for compatibility storage.

7.3 Specific end use(s)

Not available at this time.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values

Derived No Effect Level (DNEL)

DNEL Worker (dermal), systemic effects - long-term, = 1 mg/kg bw/day

DNEL Worker (inhalation), systemic effects - long-term, = 3.53 mg/m³

DNEL Worker (inhalation), systemic effects - acute, = 10.59 mg/m³

DNEL Consumer (oral), systemic effects - long-term, = 0.5 mg/kg bw/day

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DNEL Consumer (inhalation), systemic effects - long-term, = 0.869 mg/m³
DNEL Consumer (inhalation), systemic effects - acute, = 2.607 mg/m³
DNEL Consumer (dermal), systemic effects - long-term, = 0.5 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

PNEC Aqua (freshwater) = 0.04 mg/l
PNEC Aqua (marine water) = 0.004 mg/l
PNEC Water (intermittent release) = 0.4 mg/l
PNEC Sediment (freshwater) = 1.36 mg/kg sediment dw
PNEC Sediment (marine water) = 0.136 mg/kg sediment dw
PNEC STP = 6.2 mg/l
PNEC Soil = 0.366 mg/kg soil dw
PNEC Air No hazard identified.
PNEC Oral (secondary poisoning) No potential for bioaccumulation

8.2 Exposure controls

Avoid exposing to high temperature during processing.
Maintain adequate local and general ventilation where product is handled.

8.2.1 Appropriate engineering controls

Maintain adequate local and general ventilation where product is handled and dispensed.

8.2.2 Environmental exposure controls

Not available at this time. Minimize release to the environment.

8.3 Personal protection

Respiratory protection: Where ventilation (LEV) is inadequate to prevent any inhalation of substances, use adequate respiratory apparatus.
Hand protection: Adequate Protective Gloves should be worn.
Eye protection: Adequate safety glasses should be used.
Skin protection: Wear protective clothing, overall if necessary to limit the odour contamination of personal clothing. Individual washing routines should be followed after any potential contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance :	LIQUID
Colour :	COLOURLESS TO PALE YELLOW
Odour :	Characteristic strong odour according to the commercial description of the substance.
pH :	Not available
Melting point/range (°C) :	< -20 °C (Method A1)
Initial boiling point/range (°C) :	= 205 °C (Method A2)
Flash point (closed cup) :	= 77°C
Evaporation rate :	Not available
Flammability (solid/gas) :	Flammable
Explosive properties (St class) :	N/A

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Vapour pressure (Pa) :	VP = 50 Pa at 20°C (Method A4) VP = 95 Pa at 25°C (Method A4)
Vapour density :	Not available
Relative density (d 20/20) :	= 0.974 at 20°C (Method A3)
Water solubility (20°C) :	= 1400 mg/l at 20°C (Method A6)
Partition coef. (n-octanol/water) :	Log Kow = 2.98 (OECD 117)
Auto-ignition temperature (°C) :	= 160 °C at 1009.2 - 1021.4hPa (Method A15)
Decomposition temperature :	Not available
Viscosity :	Not available
Explosive properties :	Not available
Oxidizing properties :	Not available

9.2 Other safety information

None

10 STABILITY AND REACTIVITY

10.1 Reactivity

No reaction known with water.

10.2 Chemical stability

Good stability at standard temperature.

10.3 Possibility of hazardous reactions

Not known.

10.4 Conditions to avoid

Avoid temperatures above or at least 5 °C below flash point for any flammable liquids.

Do not heat closed containers.

Avoid contact with oxidizing agents.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

Contact with water or storage under recommended conditions for one year should not produce dangerous decomposition products.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

(a) acute toxicity

Calculated LD50 Oral: 2000 < LD50 =< 5000 mg/kg bw

(b) skin corrosion/irritation

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Not applicable

(c) serious eye damage/irritation
Eye Irritation - Cat.2B

(d) respiratory or skin sensitisation
Not applicable

(e) germ cell mutagenicity
Not applicable

(f) carcinogenicity
Not applicable

(g) reproductive toxicity
Not applicable

(h) STOT-single exposure
Specific Target Organ Toxicity - Single Exposure - Cat. 3 Narcotic Effects

(i) STOT-repeated exposure
Not applicable

(j) aspiration hazard
Not applicable

12 ECOLOGICAL INFORMATION

12.1 Toxicity
Environmental Hazard (acute) - Cat. 3
Environmental Hazard (chronic) - Cat. 3

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Not applicable

12.6 Other adverse effects
No data available

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13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: The product should be handled according to the instructions given under sections 6, 7 and 8. Dispose of according to local or national regulations. The product should not be allowed to enter drains or the environment

Contaminated packaging: Empty packaging should be disposed according to local or national regulations by an approved waste handling

14 TRANSPORT INFORMATION

In case of accidental spillage or fire during transport, refer to instructions given under points 5, 6, 7 and 8 above.

UNO

14.1 UN-No:	Not regulated
14.2 Proper Shipping Name:	N/A
14.3 Class:	----
14.4 Packing Group:	---
14.5 Environmental hazards:	No

Land transport (ADR/RID)

14.1 UN-No:	Not regulated
14.2 Proper Shipping Name:	N/A
14.3 Class:	----
14.4 Packing Group:	---
14.5 Environmental hazards:	No
14.6 Special precautions for user:	Refer to section 7

Sea transport (IMDG-Code)

14.1 UN-No:	Not regulated
14.2 Proper Shipping Name:	N/A
14.3 Class:	----
14.4 Packing Group:	---
14.5 Environmental hazards:	No
14.6 Special precautions for user:	Refer to section 7

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14.7 Maritime transport in bulk according to IMO instruments: Not applicable

Air transport (ICAO-IATA)

14.1 UN-No: Not regulated
14.2 Proper Shipping Name: N/A
14.3 Class: ----
14.4 Packing Group: ---
14.5 Environmental hazards: Not applicable
14.6 Special precautions for user: Refer to section 7
14.7 Maritime transport in bulk according to IMO instruments: Not applicable

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

No relevant information available at this time.

15.2 Chemical Safety Assessment

No data available at this time.

16 OTHER INFORMATION

16.1 Revisions

March-2024 : Version 13.0 - Updates to sections 2, 3, 9, 14, 16

16.2 Key literature references

RIFM database
OECD SIDS
EU IUCLID
Supplier information

16.3 Full text of phrases used under section 2

H336 May cause drowsiness or dizziness.
H227 Combustible liquid
H303 May be harmful if swallowed.
H320 Causes eye irritation.
H412 Harmful to aquatic life with long lasting effects.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use appropriate fire extinguishers for fire control.
P391	Collect spillage.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

16.4 Full text of phrases used under section 3

H227	Combustible liquid
H303	May be harmful if swallowed.
H320	Causes eye irritation.
H336	May cause drowsiness or dizziness.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of Firmenich, it is the user's obligation to determine conditions of safe use of the product.

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