

Safety Data Sheet

according to Regulation (EC) No.1907/2006 (REACH), amended by COMMISSION REGULATION (EU) 2020/878

Product name : CONOSTAN S in Iso UV set 150_430_030 High 10mLx7

Date of revision : 29/Aug/2025

SDS No. : 8500_13512_E1-1

Revision No. : 1

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Product name: CONOSTAN S in Iso UV set 150_430_030 High 10mLx7

SDS No.8500_13512_E1-1

PRODUCT No.8500_13512

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

Relevant identified uses of the product: For examination and research

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: GL Sciences Inc.

Address: 30F Shinjuku Square Tower, 6-22-1 Nishi-Shinjuku, Shinjuku City, Tokyo

Telephone number: +81-3-5323-6620

Section 2. Hazards identification

GHS classification and label elements of the product

2.1 Classification of the substance or mixture

PHYSICAL AND CHEMICAL HAZARDS

Flammable liquids: Category 2

HEALTH HAZARDS

Skin corrosion/irritation: Category 2

Specific target organ toxicity – single exposure: Category 3 (Narcotic effects)

ENVIRONMENT HAZARDS

Hazardous to the aquatic environment, short-term (acute): Category 1

Hazardous to the aquatic environment, long-term (chronic): Category 1

(Note) GHS classification without description: Not classified/Classification not possible

2.2 Label elements



Signal word: Danger

HAZARD STATEMENT

H225–Highly flammable liquid and vapor

H315–Causes skin irritation

H336–May cause drowsiness or dizziness

H400–Very toxic to aquatic life

H410–Very toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENT

Prevention

P273–Avoid release to the environment.

P210–Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233–Keep container tightly closed.

P240–Ground and bond container and receiving equipment.

P241–Use explosion–proof electrical/ventilating/lighting equipment.

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- P242–Use non-sparking tools.
P243–Take action to prevent static discharges.
P261–Avoid breathing dust/fume/gas/mist/vapors/spray.
P271–Use only outdoors or in a well-ventilated area.
P264–Wash contaminated parts thoroughly after handling.
P280–Wear protective gloves.
P280–Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P370 + P378–In case of fire: Use appropriate media to extinguish.
P391–Collect spillage.
P321–Specific treatment is required.
P312–Call a POISON CENTER/doctor/physician if you feel unwell.
P304 + P340–IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P302 + P352–IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353–IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water or shower.
P332 + P313–If skin irritation occurs: Get medical advice/attention.
P362 + P364–Take off contaminated clothing and wash it before reuse.

Storage

- P403 + P233–Store in a well-ventilated place. Keep container tightly closed.
P403 + P235–Store in a well-ventilated place. Keep cool.
P405–Store locked up.

Disposal

- P501–Dispose of contents/container in accordance with local/national regulation.

2.3 Other hazards

- The product does not contain any ingredient designated as PBT and/or vPvB.
The product does not contain any ingredients designated as Endocrine disrupting properties.

Section 3. Composition/information on ingredients

Mixture/Substance selection:

3.2 Mixture

Ingredient name	Content (%)	Chemical formula	CAS RN	EC No.
2,2,4-Trimethylpentane	>95	C ₈ H ₁₈	540-84-1	208-759-1
Dibutyl sulphide	0~5	C ₈ H ₁₈ S	544-40-1	208-870-5

Note: These values are not product specifications.

Components contributing to the hazard

The product does not contain any ingredients listed in REACH SVHC candidate list.

Section 4. First-aid measures**4.1 Descriptions of first-aid measures****General measures**

- P312–Call a POISON CENTER/doctor/physician if you feel unwell.
Contact a doctor. If contaminated clothing is to be reused, it should be washed.

IF INHALED

- P304 + P340–Remove person to fresh air and keep comfortable for breathing.

P312–Call a POISON CENTER/doctor/physician if you feel unwell.

Move to a place with fresh air and rest in a position that makes breathing easier. If there is exposure or concerns about exposure, contact a doctor. If you feel unwell, seek medical attention.

IF ON SKIN (or hair)

P303 + P361 + P353–Take off immediately all contaminated clothing. Rinse skin with water or shower.

P302 + P352–Wash with plenty of soap and water.

P332 + P313–If skin irritation occurs: Get medical advice/attention.

Wash off with soap and plenty of water. Rinse for at least 30 minutes. If irritation does not subside or if inflammation occurs, seek medical attention.

IF IN EYES

Wash carefully with water for several minutes. Immediately remove your contact lenses and rinse your eyes with a large amount of water for at least 15 minutes. Seek medical attention immediately.

IF SWALLOWED

Rinse your mouth and seek medical attention immediately. Do not force yourself to vomit.

4.2 Most important symptoms and effects, both acute and delayed

Specific information on symptom and effect are unknown.

Protective measures for first aid

Rescuers must wear protective gear such as rubber gloves and protective masks.

4.3 Indication of any immediate medical attention and special treatment needed

P321–Specific treatment is required.

Section 5. Fire–fighting measures

5.1 Extinguishing media

Suitable extinguishing media

P370 + P378–In case of fire, use foam, dry powder, CO₂ to extinguish.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

Section 6. Accidental release measures

6.1 Personnel precautions, protective equipment and emergency procedures

In an indoor setting, ensure adequate ventilation until the processing is complete.

Prohibit access to anyone not involved by cordoning off the area around the leak. During work, wear appropriate protective gear to prevent splashes from contacting the skin and to avoid inhaling vapors/mists/dust/gases. Work from upwind and evacuate people downwind.

6.2 Environmental precautions

Be careful to ensure that leaked products are not discharged into rivers and other waterways, preventing any impact on the environment. Make sure that contaminated wastewater is properly treated and not discharged into the environment.

6.3 Methods and materials for containment and cleaning up

Handle with appropriate protective equipment. Either remove by adsorbing with soil or absorbents, or gradually dilute with water to some extent, neutralize with calcium hydroxide, soda ash, etc., and wash away with a large amount of water.

Preventive measures for secondary accident

P391–Collect spillage.

Section 7. Handling and storage

7.1 Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

P261–Avoid breathing dust/fume/gas/mist/vapors/spray.

(Protective measures against fire and explosion)

P210–Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240–Ground and bond container and receiving equipment.

P241–Use explosion–proof electrical/ventilating/lighting equipment.

P242–Use non–sparking tools.

P243–Take action to prevent static discharges.

Avoid hot objects, sparks, and contact with strong oxidizers.

Safety Measures

P271–Use only outdoors or in a well–ventilated area.

P280–Wear protective gloves/protective clothing/eye protection/face protection.

P280–Wear protective gloves.

Any incompatibilities data is not available.

Advice on general occupational hygiene

P264–Wash contaminated parts thoroughly after handling.

P362 + P364–Take off contaminated clothing and wash it before reuse.

7.2 Storage

Conditions for safe storage

P233–Keep container tightly closed.

P403 + P233–Store in a well–ventilated place. Keep container tightly closed.

P403 + P235–Store in a well–ventilated place. Keep cool.

P405–Store locked up.

Container and packaging materials for safe handling data is not available.

7.3 Specific end use(s)

Information on Specific end use(s) is not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limit

ACGIH

(2,2,4–Trimethylpentane)

TWA: 300ppm (URT irr)

EU Occupational exposure limit values (Workplace Exposure limits) compliant to relevant EU Directive through 91/332/EEC to 2019/1831/EU

Not established

Derived No–Effect Level (DNEL)

No DNELs available.

Predicted No–Effect Concentrations (PNEC)

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls

For use in indoor work areas, enclose the source and install local exhaust devices. Provide safety showers, handwashing, and eyewash facilities near the handling area, and clearly indicate their positions.

Individual protection measures**Respiratory protection**

Dustproof or gas mask. Choose one with suitable performance and structure for the work.

Hand protection

Impermeable protective gloves.

Eye protection

Protective glasses.

Skin and body protection

Protective clothing and protective boots.

Section 9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Odor data is not available.

Odor threshold data is not available.

Melting point/Freezing point data is not available.

Boiling point or initial boiling point: (2,2,4-トリメチルペンタン)99°C

Boiling range data is not available.

Flammability data is not available.

Lower and upper explosion limit/flammability limit:

Lower explosion limit: 1.1 vol %

Upper explosion limit: 6.0 vol %

Flash point: (2,2,4-トリメチルペンタン)(O.C.) 4.5°C

Auto-ignition temperature: (2,2,4-トリメチルペンタン)417°C

Decomposition temperature data is not available.

pH data is not available.

Kinematic viscosity data is not available.

Solubility:

Solubility in water data is not available.

Solubility in solvent data is not available.

Partition coefficient n-octanol/water data is not available.

Vapor pressure data is not available.

Density and/or relative density data is not available.

Relative vapor density (Air=1) data is not available.

Particle characteristics data is not available.

9.2 Other information

Other information is not available.

Section 10. Stability and Reactivity**10.1 Reactivity**

Reactivity data is not available.

10.2 Chemical stability

Chemical stability data is not available.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

10.4 Conditions to avoid

Conditions to avoid data is not available.

10.5 Incompatible materials

Incompatible materials data is not available.

10.6 Hazardous decomposition products

Hazardous decomposition products data is not available.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity (Oral)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Acute toxicity (Dermal)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Acute toxicity (Inhalation)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Irritant properties

Skin corrosion/irritation

[Product]

Category 2, Causes skin irritation

[Data for components of the product]

[Table 3 of Annex VI to the CLP Regulations]

(2,2,4-Trimethylpentane)

Category 2

Serious eye damage/irritation

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Sensitization

Respiratory sensitization

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Skin sensitization

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Germ cell mutagenicity

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Carcinogenicity

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Reproductive toxicity

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Specific target organ toxicity (STOT)

STOT–single exposure

[Product]

Category 3, May cause drowsiness or dizziness

[Data for components of the product]

[Table 3 of Annex VI to the CLP Regulations]

(2,2,4-Trimethylpentane)

Category 3 (Narcotic effects)

STOT–repeated exposure

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Aspiration hazard

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

[Table 3 of Annex VI to the CLP Regulations]

(2,2,4-Trimethylpentane)

Category 1

11.2 Information on other hazards

Endocrine disrupting properties

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Endocrine disrupting properties is not available.

Section 12. Ecological Information

12.1 Toxicity

Aquatic toxicity

[Product]

Category 1, Very toxic to aquatic life

Category 1, Very toxic to aquatic life with long lasting effects

[Data for components of the product]

Hazardous to the aquatic environment, short-term (acute)

[Table 3 of Annex VI to the CLP Regulations]

(2,2,4-Trimethylpentane)

Category 1

Hazardous to the aquatic environment, long-term (chronic)

[Table 3 of Annex VI to the CLP Regulations]

(2,2,4-Trimethylpentane)

Category 1

Water solubility

(2,2,4-Trimethylpentane)

none (source: ICSC, 1999)

12.2 Persistence and degradability

Persistence and degradability data is not available.

12.3 Bioaccumulative potential

Bioaccumulative potential data is not available.

12.4 Mobility in soil

Mobility in soil data is not available.

12.5 Results of PBT and vPvB assessment

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

PBT and/or vPvB assessment data is not available.

12.6 Endocrine disrupting properties

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Endocrine disrupting properties is not available.

12.7 Other adverse effects

Results of PMT and vPvM assessment

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

PMT and/or vPvM assessment data is not available.

Ozone depleting chemical data is not available.

Section 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

13.1 Waste treatment methods

P273-Avoid release to the environment.

P501-Dispose of contents/container in accordance with local/national regulation.

Section 14. Transport Information

UN No., UN CLASS

14.1 UN Number or ID Number : 1262

14.2 UN Proper Shipping Name :

OCTANES

14.3 Class or division (Transport hazard class) : 3

14.4 Packing group : II

ERG GUIDE No.: 128

ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road)

14.1 UN Number or ID Number : 1262

14.2 UN Proper Shipping Name :

OCTANES

14.3 Class or division (Transport hazard class) : 3

Label : 3

14.4 Packing group : II

ADN (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

14.1 UN Number or ID Number : 1262

14.2 UN Proper Shipping Name :

OCTANES

14.3 Class or division (Transport hazard class) : 3

Label : 3

14.4 Packing group : II

RID (Regulation concerning the International Carriage of Dangerous goods by Rail)

14.1 UN Number or ID Number : 1262

14.2 UN Proper Shipping Name :

OCTANES

14.3 Class or division (Transport hazard class) : 3

Label : 3

14.4 Packing group : II

IMDG Code (International Maritime Dangerous Goods Regulations)

14.1 UN Number or ID Number : 1262

14.2 UN Proper Shipping Name :

OCTANES

14.3 Class or division (Transport hazard class) : 3

14.4 Packing group : II

IATA (Dangerous Goods Regulations)

14.1 UN Number or ID Number : 1262

14.2 UN Proper Shipping Name :

OCTANES

14.3 Class or division (Transport hazard class) : 3

Hazard labels : Flamm. liquid

14.4 Packing group : II

14.5 Environmental hazards

Marine pollutants (yes/no) : yes

14.6 Special precautions for user

Special precautions for user is not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable to Transport in bulk according to Annex II of MARPOL and the IBC Code

MARPOL Annex V – HME (Harmful to the Marine Environment)

Hazardous to the aquatic environment – short-term (acute): cat.1

2,2,4-Trimethylpentane

Hazardous to the aquatic environment – long-term (chronic): cat.1, 2

2,2,4-Trimethylpentane

Section 15. Regulatory Information

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

The product does not contain any ingredients listed in REACH SVHC candidate list.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

Section 16. Other information

GHS classification and labelling

H225-Flammable liquids, Category 2: H225 Highly flammable liquid and vapour

H315-Skin corrosion/irritation, Category 2: H315 Causes skin irritation

H336-STOT – single exposure, Category 3, Narcotic effects: H336 May cause drowsiness or dizziness.

H400-Hazardous to the aquatic environment, short-term (acute), Category 1: H400 Very toxic to aquatic life

H410-Hazardous to the aquatic environment, long-term (chronic), Category 1: H410 Very toxic to aquatic life with long lasting effects

Full text of Hazard categories and Hazard statements referred to only section 3

Asp. Tox. 1, H304 – Aspiration hazard, Category 1: H304 May be fatal if swallowed and enters airways

References and sources for data

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 23rd edit., 2023 UN

IMDG Code, 2024 Edition (Incorporating Amendment 42-24)

IATA Dangerous Goods Regulations (66th Edition) 2025

2024 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2025 TLVs and BEIs. (ACGIH)

Supplier's data/information

Abbreviations and acronyms

irr – irritation; URT – upper respiratory tract

General Disclaimer

Handling of Described

Content Since not all materials and literature have been investigated, there may be omissions of information. Additionally, changes in content may occur due to the announcement of new findings or corrections of existing theories. If you intend to use this information for important decisions, it is recommended that you carefully consider the sources or verify through testing. Please note that values for content and physicochemical properties are not guaranteed. Furthermore, the precautions mentioned are intended for standard handling; please take this into account in cases of special handling.