

SAFETY DATA SHEET

ORION 272

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued 21.10.2025

1.1. Product identifier

Product name ORION 272
Article no. BL272F

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

Use of the substance / mixture Viscosifier.

1.3. Details of the supplier of the safety data sheet**Distributor**

Company name Relekta AS
Office address Innspurten 1A
Postal address Postboks 6169 Etterstad
Postcode 0663
City Oslo
Country Norway
Telephone number +47 22 66 04 00
Fax +47 22 66 04 01
Email post@relekta.no
Website www.relekta.no
Enterprise No. NO 831 881 372

1.4. Emergency telephone number

Emergency telephone Telephone number: +47 22 59 13 00
Description: Norwegian Poison Information Center
Telephone number: 112
Description: Within Sweden: Ask for Poison Information

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP classification, notes	Classification according to (EC) No.1272/2008: Not classified.
---------------------------	--

2.2. Label elements

Supplemental label information	EUH 210 Safety data sheet available on request.
--------------------------------	---

Other label information (CLP)	NOT CLASSIFIED according to health-, fire- and environmental hazard.
-------------------------------	--

2.3. Other hazards

PBT / vPvB	The chemical contains no PBT or vPvB substances.
------------	--

Other hazards	None of the substances in 3.2 is listed on ECHA's Endocrine disruptor assessment list.
---------------	--

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Distillates (petroleum) , hydrotreated light paraffinic Baseoil - unspecified	EC No.: 265-158-7 REACH Reg. No.: 01-2119487077-29	Asp. Tox. 1; H304	20 - 50 %	
Substance comments	See section 16 for explanation of hazard statements (H) listed above.			

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Emergency telephone number: see section 1.4.
---------	--

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Fresh air and rest. Get medical attention if any discomfort continues.
------------	---

Skin contact	Remove contaminated clothing. Flush skin thoroughly with water. Get medical attention if any discomfort continues.
--------------	--

Eye contact	Remove contact lenses and open eyes wide apart. Immediately flush with plenty of water or eyewash solution for up to 10 minutes. By prolonged rinsing, use luke warm water to avoid damage to the eye. Contact physician if discomfort continues.
-------------	---

Ingestion	Rinse your mouth thoroughly with water. Give some cream or vegetable oil. Do not induce vomiting. Get medical attention.
-----------	--

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms and effects	<p>Eye contact: May cause eye irritation. Symptoms may be stinging pain and redness in the eyes.</p> <p>Ingestion: The chemical may irritate the stomach/intestines and can cause abdominal pain, nausea, vomiting and diarrhoea.</p> <p>Inhalation: In high concentrations, vapors can be depressant and may cause</p>
----------------------------	---

headaches, fatigue, dizziness and nausea.

4.3. Indication of any immediate medical attention and special treatment needed

Other information No specific information from the manufacturer. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Dry-powder, carbon dioxide (CO₂), water mist, foam.

Improper extinguishing media Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards The chemical is not classified as flammable.

Hazardous combustion products May include, but is not limited to: Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Personal protective equipment Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.

Other information If there is no risk involved, move the containers to a safe place. If not possible, cool with water from a safe position.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures Ensure adequate ventilation.
Avoid inhalation of oil mist and contact with skin and eyes.
Use protective equipment as referred to in section 8.
In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Environmental precautionary measures Do not allow to enter into sewer, water system or soil.

6.3. Methods and material for containment and cleaning up

Clean up Absorb in vermiculite, dry sand or earth and place into containers. Collect in a suitable container and dispose as hazardous waste according to section 13.

6.4. Reference to other sections

Other instructions See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Provide adequate ventilation. Avoid inhalation of oil mist and contact with skin

and eyes.
 When working with heated oil, mechanical ventilation may be required. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets.
 Use protective equipment as referred to in section 8.

Protective safety measures

Safety measures to prevent fire	Keep away from heat / sparks / open flames / hot surfaces. – No smoking. Take precautionary measures against static discharges. Use only non-sparking tools. Ground / bond container and receiving equipment. Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Advice on general occupational hygiene	Do not eat, drink or smoke during work. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in tightly closed original container in a dry, cool and well-ventilated place.
Conditions to avoid	Frost. Protect from sunlight. Do not expose to temperatures exceeding 50 °C /122 °F.

Conditions for safe storage

Advice on storage compatibility	Keep away from: Strong oxidizing agents. Food and feed.
Storage temperature	Value: < 75 °C

7.3. Specific end use(s)

Specific use(s)	See section 1.2.
-----------------	------------------

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Decanes and higher aliphatic hydrocarbons		Country of origin: Norwegian ADN Limit value (8 h) : 40 ppm Limit value (8 h) : 275 mg/ m ³	
Oil mist (mineral particles)		Limit value (8 h) : 1 mg/m ³	
Oil vapour		Limit value (8 h) : 50 mg/m ³	
Control parameters comments	References (laws/regulations): Norwegian regulation on exposure limits: FOR 2011-12-06 nr. 1358 Forskrift om tiltaks- og grenseverdier (sist endret gjennom FOR-2024-05-15-785).		

8.2. Exposure controls

Precautionary measures to prevent exposure

Technical measures to prevent exposure	<p>Provide adequate ventilation. The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only suggestions, and should be selected on advice from the supplier of such equipment.</p> <p>A risk assessment of the work place/work activities (the actual risk) may lead to other control measures. The protection equipment's suitability and durability will depend on application.</p>
--	---

Eye / face protection

Eye protection equipment	<p>Description: In case of splashing: Wear tight-fitting goggles or face shield.</p> <p>Reference to relevant standard: EN ISO 16321-1:2022 (Eye and face protection for occupational use - Part 1: General requirements).</p>
Additional eye protection measures	<p>Eye wash facilities should be available at the work place. Either a fixed eye wash facility connected to the drinking water (preferably warm water) or a portable disposable unit.</p>

Hand protection

Suitable materials	Nitrile. Neoprene.
Breakthrough time	Value: > 480 minute(s)
Thickness of glove material	Value: 0,35 mm
Hand protection equipment	<p>Description: Use chemical resistant gloves. The gloves abilities may vary among the different glove manufacturers.</p> <p>Reference to relevant standard: EN ISO 374 (Protective gloves against chemicals and micro-organisms). EN ISO 21420:2020 (Protective gloves - General requirements and test methods).</p>
Additional hand protection measures	<p>Replace gloves if signs of wear and tear. Gloves must only be worn on clean, dry hands.</p>

Skin protection

Recommended protective clothing	<p>Description: Wear appropriate clothing to prevent repeated or prolonged skin contact.</p>
Additional skin protection measures	<p>Emergency shower should be available at the workplace.</p>

Respiratory protection

Recommended respiratory protection	<p>Description: Normally not required. In case of inadequate ventilation or risk of inhalation of oil mist, suitable respiratory equipment with combination filter (type A2/P3) can be used.</p> <p>Reference to relevant standard: EN 143 (Respiratory protective devices - Particle filters - Requirements, testing, marking). EN 14387 (Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking).</p>
------------------------------------	---

Appropriate environmental exposure control

Environmental exposure controls	<p>Do not allow to enter into sewer, water system or soil.</p>
---------------------------------	--

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Light (or pale).
Odour	Characteristic.
pH	Status: In delivery state Comments: Not relevant.
Melting point / melting range	Comments: Not specified by the manufacturer.
Boiling point / boiling range	Comments: Not specified by the manufacturer.
Flash point	Value: 200 °C
Flammability	The product is not classified as flammable.
Explosion limit	Comments: Not specified by the manufacturer.
Vapour pressure	Value: 1,89 mm Hg Temperature: 77 °C
Vapour density	Comments: Not specified by the manufacturer.
Particle characteristics	Comments: Not relevant for liquids.
Relative density	Value: 0,85 - 0,885 Temperature: 15,6 °C
Solubility	Medium: Water Comments: Insoluble.
Partition coefficient: n-octanol/ water	Comments: Not relevant for a mixture.
Auto-ignition temperature	Comments: Not specified by the manufacturer.
Decomposition temperature	Comments: Not specified by the manufacturer.
Viscosity	Value: 12500 mm ² /s Temperature: 40 °C Type: Kinematic

9.2. Other information

Physical hazards

Pour point	Value: 2 °C
------------	-------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Under normal conditions and use there are not expected any reactivity hazards for this chemical.
------------	--

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
-----------	---

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	May arise in contact with incompatible materials (see section 10.5) and/or under inappropriate conditions (see section 10.4).
------------------------------------	---

10.4. Conditions to avoid

Conditions to avoid	Avoid frost. Heat, sparks or open flame.
---------------------	--

10.5. Incompatible materials

Materials to avoid	Strong oxidizing agents.
--------------------	--------------------------

10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions. See also section 5.2.
----------------------------------	---

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Other information regarding health hazards

Assessment of acute toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of skin corrosion / irritation, classification	Based on available data, the classification criteria are not met.
Assessment of eye damage or irritation, classification	Based on available data, the classification criteria are not met.
Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met.
Assessment of reproductive toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - single exposure, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - repeated exposure, classification	Based on available data, the classification criteria are not met.
Assessment of aspiration hazard, classification	Based on available data, the classification criteria are not met.

Symptoms of exposure

In case of ingestion	The chemical may irritate the stomach/intestines and can cause abdominal pain, nausea, vomiting and diarrhoea.
----------------------	--

In case of skin contact	None known.
In case of inhalation	In high concentrations, vapors can be depressant and may cause headaches, fatigue, dizziness and nausea.
In case of eye contact	May cause eye irritation. Symptoms may be stinging pain and redness in the eyes.

11.2 Other information

Endocrine disruption	None of the substances in 3.2 is listed on ECHA's Endocrine disruptor assessment list.
----------------------	--

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	The chemical is not classified as harmful to the environment.
-------------	---

12.2. Persistence and degradability

Persistence and degradability description/evaluation	There are no data available on the chemical itself.
--	---

12.3. Bioaccumulative potential

Bioaccumulation, evaluation	Information on bioaccumulation is not available for the chemical.
-----------------------------	---

12.4. Mobility in soil

Mobility	Insoluble in water.
----------	---------------------

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	The chemical contains no PBT or vPvB substances.
------------------------------------	--

12.6. Endocrine disrupting properties

Endocrine disrupting properties	None of the substances in 3.2 is listed on ECHA's Endocrine disruptor assessment list.
---------------------------------	--

12.7. Other adverse effects

Additional ecological information	Do not allow to enter into sewer, water system or soil.
-----------------------------------	---

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Disposed of as hazardous waste by approved contractor. The waste code (EWC-Code) is intended as a guide. The code must be chosen by the user, if the use differs from the one mentioned below.
EWC waste code	EWC waste code: 130205 mineral-based non-chlorinated engine, gear and lubricating oils

EWL packing	Classified as hazardous waste: Yes EWC waste code: 150110 packaging containing residues of or contaminated by dangerous substances Classified as hazardous waste: Yes
NORSAS	7021 Oily and greasy waste
Other information	Do not empty into drains.

SECTION 14: Transport information

Dangerous goods No

14.1. UN number

Comments Not considered as dangerous goods under UN, IMO, ADR/RID or IATA/ICAO regulations.

14.2. UN proper shipping name

Comments Not relevant.

14.3. Transport hazard class(es)

Comments Not relevant.

14.4. Packing group

Comments Not relevant.

14.5. Environmental hazards

Comments Not relevant.

14.6. Special precautions for user

Special safety precautions for user Not relevant.

14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk (yes/no) No

SECTION 15: Regulatory information

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

Restriction of chemicals according to Annex XVII (REACH) Contains substances in section 3 that are covered by points 28-30 of REACH Annex XVII. Applies to EC-nr: 265-158-7. The restriction is not relevant to this mixture and use.

References (laws/regulations) Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP-regulation) with later amendments.
Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments.

Norwegian regulation on dangerous goods: FOR 2009-04-01 nr 384: Forskrift om landtransport av farlig gods med senere endringer, Direktoratet for samfunnssikkerhet og beredskap.

Norwegian regulations on waste, no. 930/2004, from Ministry of the Environment with later amendments.

Swedish regulations on waste "Avfallsförordning (2020:614)" with later amendments.

Swedish regulation on dangerous goods: Lag (2006:263) om transport av farligt gods, med senere ändringar.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
--------------------------------------	----

SECTION 16: Other information

Supplier's notes	The information contained in this SDS must be made available to all those who handle the product.
List of relevant H-phrases (Section 2 and 3)	H304 May be fatal if swallowed and enters airways.
Key literature references and sources for data	Suppliers Safety data sheet dated: 02.05.2019.
Abbreviations and acronyms used	ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ADR: Agreement concerning the International Carriage of Dangerous Goods by Road EWC: European Waste Code (a code from the EU's common classification system for waste) IATA: The International Air Transport Association ICAO: The International Civil Aviation Organisation IMDG: The International Maritime Dangerous Goods Code IMO: International Maritime Organization PBT: Persistent, Bioaccumulative and Toxic RID: The Regulations concerning the International Carriage of Dangerous Goods by Rail REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals vPvB: very Persistent and very Bioaccumulative
Information added, deleted or revised	New Safety Data Sheet.
Checking quality of information	This SDS is quality controlled by Kiwa Kompetanse AS in Norway, certified according to the Quality Management System requirements specified in ISO 9001:2015.
Version	1
Prepared by	Kiwa Kompetanse AS, NOB