

SAFETY DATA SHEET

MøreRoyal Treolje



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 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 04.12.2018

1.1. Product identifier

Product name MøreRoyal Treolje

Article no. 5426xx

Product definition Surface treatment.

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

Use categories nordic (UCN). Surface treatment.

Product group Mixture

Use of the substance / preparation Uses in Coatings - Consumer use: Apply this product only as specified on the label.

The chemical can be used by the general public Yes

1.3. Details of the supplier of the safety data sheet

Company name Gjoco AS

Office address Ørvegen 1160

Postal address Ørvegen 1160

Postcode 6639

City Torvikbukt

Country Norge

Telephone number +47 712 91 700

Fax +47 712 91 700

Email office@gjoco.no

Website www.gjoco.com

Enterprise No. NO 854 814 702 MVA

1.4. Emergency telephone number

Emergency telephone

Telephone number: Giftinformasjonssentralen: 22 59 13 00

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Skin Sens. 1; H317
	Asp. tox. 1
	Aquatic Chronic 3; H412

2.2. Label elements

Hazard pictograms (CLP)



Signal word	Danger
Hazard statements	H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P280 Wear vernehansker. P333+P313 If skin irritation or rash occurs: Get medical advice / attention. P501 Dispose of contents / container to as hazardous waste
Supplemental label information	EUH 208 Contains 2-butanonoksim, Cobalt bis (2-ethylhexanoate). May produce an allergic reaction. Film protecting biocides: DCOIT Risk of self-ignition. Spills and used rags must be collected and stored in a fireproof container.
Tactile warnings	Yes
Child-protection	Yes
VOC	Product subcategory : Coatings (paint) for wood, metal or plaster Interior/exterior. Relevant VOC limit values: 700 g/l Maximum content of VOC: 600 g/l

2.3. Other hazards

Other hazards	Not known.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
4, 5-dichloro-2-octyl-2H-isothiazol-3-one, DCOIT	CAS No.: 64359-81-5 EC No.: 264-843-8	Acute tox. 2; H330 Skin Corr. 1B; H314 Aquatic Acute 1; H400; M-factor M=100 Aquatic Chronic 1; H410;	0,01 -0,2 %

M-factor M=1
 Acute tox. 4; H302
 Skin Corr. 1A; H317
 Aquatic Chronic 4; H410

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Remove affected person from source of contamination. Do not give victim anything to drink if he is unconscious. CAUTION! First aid personnel must be aware of own risk during rescue!
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	Wash skin with soap and water. Take off contaminated clothing and wash before reuse. Get medical attention if any discomfort continues.
Eye contact	Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.
Ingestion	Do not induce vomiting. If medical advice is needed, have product container or label at hand.
Recommended personal protective equipment for first aid responders	Use personal protective equipment as required.

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

General symptoms and effects	No recommendation given.
Acute symptoms and effects	No known significant effects or critical hazards.
Delayed symptoms and effects	No known significant effects or critical hazards.

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

Medical treatment	Call a POISON CENTER or doctor/physician if you feel unwell.
Information on clinical testing	Not known.
Medical monitoring for delayed effects	Not known.
Specific details on antidotes	Not entered.
Contraindications	Not known.
Separate first aid equipment	No specific data.
Other information	No specific data.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder.
Improper extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	During fire, gases hazardous to health may be formed. Dust may form an explosive mixture in the atmosphere.
Hazardous combustion products	Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases (NO _x).

5.3. Advice for firefighters

Personal protective equipment	Use personal protective equipment as required.
Fire fighting procedures	Containers close to fire should be removed or cooled with water.
Special protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Other information	Not entered.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Det skal ikke iverksettes tiltak som medfører personfare. Bruk egnet verneutstyr. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Personal protection measures	Wear protective gloves and, in case of splashes, goggles/face shield too.
Protective equipment	Not entered.
Emergency procedures	Stop leak if safe to do so.
For emergency responders	Use personal protective equipment as required.

6.2. Environmental precautions

Environmental precautionary measures	Contain spillages with sand, earth or any suitable adsorbent material. Avoid discharge into drains. Contact local authorities in case of spillage to drain/aquatic environment.
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6.3. Methods and material for containment and cleaning up

Containment	Store in a closed container.
Clean up	Absorb in vermiculite, dry sand or earth and place into containers.
Other information	No recommendation given.

6.4. Reference to other sections

Other instructions	See Section 1 for emergency contact information.
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See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Keep away from heat, sparks and open flame. Container must be kept tightly closed.
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Protective safety measures

Safety measures to prevent fire	Keep away from heat / sparks / open flames / hot surfaces. — No smoking.
Preventive measures to prevent aerosol and dust generation	Containers that have been opened must be carefully resealed and kept upright to prevent leakage

7.2. Conditions for safe storage, including any incompatibilities

Storage	Protect from sunlight. Store in a well-ventilated place.
Conditions to avoid	Keep away from heat / sparks / open flames / hot surfaces. — No smoking.

Conditions for safe storage

Technical measures and storage conditions	Keep flammable liquids away from flammable gas and highly flammable goods.
Packaging compatibilities	Always keep in containers made from the same material as the original one.
Requirements for storage rooms and vessels	Store in a well-ventilated place. Keep container tightly closed.

7.3. Specific end use(s)

Recommendations	No information.
Specific use(s)	Not known.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Appropriate engineering controls	Not entered.
Product related measures to prevent exposure	Observe occupational exposure limits and minimize the risk of inhalation.

Instruction on measures to prevent exposure	Not known.
Organisational measures to prevent exposure	Not entered.
Technical measures to prevent exposure	Well-ventilated area.

Eye / face protection

Required Properties	Not entered.
Suitable eye protection	Use eye protection.
Eye protection equipment	Description: Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hand protection

Skin- / hand protection, short term contact	Wear protective gloves.
Skin- / hand protection, long term contact	Wear protective gloves.
Suitable gloves type	Gloves of nitrile rubber, PVA or Viton are recommended.
Breakthrough time	Value: > 8 hour(s)

Skin protection

Suitable protective clothing	Overall suit shall be used where the work involves smudging to such an extent that ordinary working clothes do not protect the skin against contact with the product.
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Respiratory protection

Respiratory protection necessary at	At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.
Tasks needing respiratory protection	When spraying use suitable air-supplied respirator.
Additional respiratory protection measures	In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

Thermal hazards

Thermal hazards	Not known.
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Hygiene / environmental

Personal protection equipment, comments	Not entered.
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Appropriate environmental exposure control

Environmental exposure controls	Not entered.
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Exposure controls

Safety measures for consumer use of the chemical	Not entered.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
State under standard conditions	Liquid.
Colour	Misc. colours.
Odour	Characteristic.
Odour limit	Comments: Not known.
pH	Comments: Not relevant.
Melting point / melting range	Comments: Not known.
Freezing point	Comments: Not known.
Boiling point / boiling range	Comments: Not known.
Flash point	Value: > 60
Evaporation rate	Comments: Not known.
Flammability (solid, gas)	Not known.
Lower explosion limit with unit of measurement	Comments: Not known.
Upper explosion limit with units of measurement	Comments: Not known.
Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not known.
Vapour density	Comments: Not known.
Specific gravity	Comments: Not known.
Density	Value: ~ 0,9
Bulk density	Comments: Not known.
Solubility	Comments: Not soluble in water. Organic solvents.
Partition coefficient: n-octanol/ water	Comments: Not known.
Viscosity	Value: < 20,5 mm ² /s Method: Kinematisk

9.2. Other information

Softening point	Comments: Ingen tilleggsinformasjon
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Physical hazards

Miscibility	Miscible with Naphtha petroleum. Miscible with liseed oil.
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Other physical and chemical properties

Physical and chemical properties Not entered.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known conditions that are likely to result in a hazardous situation.

10.2. Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Keep away from heat / sparks / open flames / hot surfaces. — No smoking.

10.4. Conditions to avoid

Conditions to avoid Extremes of temperatures.

10.5. Incompatible materials

Materials to avoid Strong acids. Bases, alkalis (organic). Bases, alkalis (inorganic).

10.6. Hazardous decomposition products

Hazardous decomposition products During fire, toxic gases (CO, CO₂, NO_x) are formed.

Other information

Other information Not known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance 4,5-dichloro-2-octyl-2H-isothiazol-3-one, DCOIT

Acute toxicity
Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Oral
Value: > 2000 mg/kg
Animal test species: Rat.

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: > 2000 mg/kg
Animal test species: Rat.

Other information regarding health hazards

Acute toxicity, mixture estimate Comments: Ikke kjent

Skin corrosion / irritation test result Comments: May irritate. May cause sensitisation by skin contact.

Eye damage or irritation other information	No specific health warnings noted.
Respiratory or skin sensitisation	Comments: May cause sensitisation.
General	Not determined.
Inhalation	Not known.
Skin contact	May cause an allergic skin reaction.
Eye contact	No recommendation given.
Ingestion	Data lacking.
Sensitisation	May cause an allergic skin reaction.
Assessment of germ cell mutagenicity, classification	Not known.
Carcinogenicity, other information	Not known.
Assessment of reproductive toxicity, classification	Not known.
Specific target organ toxicity SE, human experience	Not known.
Assessment of aspiration hazard, classification	Not known.

Symptoms of exposure

In case of ingestion	Drowsiness, dizziness, disorientation, vertigo. Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea.
In case of skin contact	May cause sensitisation by skin contact.
In case of inhalation	Vapours may cause drowsiness and dizziness.
In case of eye contact	Irritation, burning, lachrymation, blurred vision after liquid splash.
Other information	Not known.

SECTION 12: Ecological information

12.1. Toxicity

Substance	4,5-dichloro-2-octyl-2H-isothiazol-3-one, DCOIT
Acute aquatic, fish	<p>Toxicity type: Acute Value: 0,0078 mg/l Effect dose concentration : LC50 Test duration: 96 h Species: Oncorhynchus mykiss Method: LC50 OECD 203</p> <p>Toxicity type: Chronic Value: 0,00048 mg/l Effect dose concentration : NOEC Exposure time: ~ 28 day(s) Species: Fish.</p>
Substance	4,5-dichloro-2-octyl-2H-isothiazol-3-one, DCOIT

Acute aquatic, algae

Toxicity type: Acute
Value: 0,025 mg/l
Effect dose concentration : EC50
Exposure time: 72 hour(s)
Species: Scenedesmus subspicatus Green Algae.

Toxicity type: Chronic
Value: < 0,015 mg/l
Exposure time: = 72 hour(s)
Species: Scenedesmus subspicatus

Substance

4,5-dichloro-2-octyl-2H-isothiazol-3-one, DCOIT

Acute aquatic, Daphnia

Toxicity type: Chronic
Value: 0,00040 mg/l
Effect dose concentration : NOEC
Exposure time: - 21 day(s)
Species: Daphnia magna

Toxicity type: Chronic
Value: < 0,0097 mg/l
Exposure time: 48 hour(s)
Species: Daphnia Magna

12.2. Persistence and degradability

Persistence and degradability description

Not known.

Substance

4,5-dichloro-2-octyl-2H-isothiazol-3-one, DCOIT

Biodegradability

Comments: Rapidly biodegradable: S 779

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal

Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.

EWC waste code

EWC waste code: 080111 waste paint and varnish containing organic solvents or other dangerous substances
 Classified as hazardous waste: Yes

SECTION 14: Transport information

Dangerous goods

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14.1. UN number**14.2. UN proper shipping name****14.3. Transport hazard class(es)****14.4. Packing group****14.5. Environmental hazards****14.6. Special precautions for user****14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

Assessed restrictions	EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation Substances of very high concern: Not listed. e
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Biocides	No
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15.2. Chemical safety assessment**SECTION 16: Other information**

List of relevant H-phrases (Section 2 and 3)	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H330 Fatal if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
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Revision responsible	Gjøco AS
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