

SAFETY DATA SHEET**CT DM EP2**

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	04.04.2017
Revision date	25.05.2020

1.1. Product identifier

Product name	CT DM EP2
Article no.	3606

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

Use of the substance / mixture	Synthetic lithiumcomplex EP-grease
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1.3. Details of the supplier of the safety data sheet

Company name	Orapi Nordic Oy Ab
Office address	Kivipyykintie 10
Postcode	01260
City	Vantaa
Country	Finland
Telephone number	+358 (0)9 894 6430
Email	sales-finland@orapi.com
Website	www.orapinordic.net
Enterprise No.	1754659-5

1.4. Emergency telephone number

Emergency telephone	Description: In Sweden: Dial 112 in case of emergency poisoning and ask for Poison Information both day and night.
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SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Substance / mixture hazardous properties	The mixture is not classified as hazardous to health or the environment according to Regulation (EC) No 1272/2008 of the European Parliament and of
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the Council (CLP).

2.2. Label elements

Supplemental label information	EUH 210 Safety data sheet available on request.
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2.3. Other hazards

PBT / vPvB	The substance/mixture satisfies neither the vPvB nor the PBT criteria in accordance with annex XIII of the REACH regulations 1907/2006.
Other hazards	The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/en/candidate-list-table .

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
ZINC ALKYL DITHIOPHOSPHATE	CAS No.: 68649-42-3 EC No.: 272-028-3	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411	$\geq 0 < 2,5 \%$	
Description of the mixture	Contains mineral oil (PAH $< 3 \%$, IP346)			
Substance comments	The full text of the H-phrases mentioned here is in Section 16.			

SECTION 4: First aid measures

4.1. Description of first aid measures

General	As a general rule: In case of doubt or if symptoms persist, always call a doctor. Never give anything by mouth to an unconscious person.
Inhalation	If experiencing respiratory symptoms: Take the victim into fresh air. Consult a physician.
Skin contact	Remove/Take off all contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser.
Eye contact	Rinse immediately with plenty of water, also under the eyelids. When symptoms persist or in all cases of doubt seek medical advice.
Ingestion	Do NOT induce vomiting. Consult a physician.

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

General symptoms and effects	Repeated or prolonged skin contact may cause defatting and oil acne.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	No information available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Foam, dry chemical or carbon dioxide.
Improper extinguishing media	High volume water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Carbon oxides. Hydrocarbons. Aldehydes.
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5.3. Advice for firefighters

Personal protective equipment	In the event of fire, wear self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Contaminated surfaces will be extremely slippery. Prevent unauthorized access.
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6.2. Environmental precautions

Environmental precautionary measures	Do not dispose of waste into sewer. Should not be released into the environment.
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6.3. Methods and material for containment and cleaning up

Containment	Use mechanical handling equipment.
Clean up	Clean preferably with a detergent.

6.4. Reference to other sections

Other instructions	Refer to protective measures listed in sections 7 and 8. 13. Disposal considerations.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Ensure adequate ventilation. Do not get in eyes or mouth or on skin. Skin should be washed after contact. When using, do not eat, drink or smoke.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep away from food, drink and animal feedingstuffs. Keep in a dry place. Keep away from heat and flame.
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7.3. Specific end use(s)

Specific use(s)	No information available.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Occupational exposure limits

Comments: Any substances with occupational exposure limit values are not known.

8.2. Exposure controls**Precautionary measures to prevent exposure****Product related measures to prevent exposure**

Provide adequate ventilation. Skin should be washed after contact. Use personal protective equipment that is clean and has been properly maintained.

Eye / face protection**Suitable eye protection**

If splashes are likely to occur, wear safety glasses with side-shields conforming to EN166.

Hand protection**Skin- / hand protection, long term contact**

Rubber or plastic gloves complying with EN374 are recommended.

Suitable materials

Nitrile rubber (NBR).

Skin protection**Suitable protective clothing**

No special requirements under normal use. Take off contaminated clothing and wash before reuse.

Respiratory protection**Tasks needing respiratory protection**

No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Physical state**

paste

Colour

blue

pH

Comments: not applicable

Melting point / melting range

Comments: not specified

Boiling point / boiling range

Comments: not specified

Flash point

Value: > 150 °C

Vapour pressure

Comments: not relevant

Relative density

Value: < 1

Solubility

Medium: Water
Comments: insoluble

Auto-ignition temperature

Comments: not determined

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	not specified
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No information available.
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10.2. Chemical stability

Stability	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No data available.
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10.4. Conditions to avoid

Conditions to avoid	Heat, flames and sparks.
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10.5. Incompatible materials

Materials to avoid	Strong oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition: Carbon dioxide (CO ₂). Carbon monoxide (CO). Hydrocarbons. Aldehydes. Smoke.
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SECTION 11: Toxicological information

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

Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: 5500 mg/kg
	Effect tested: LD50 Route of exposure: Dermal Value: 5174 mg/kg
Substance	ZINC ALKYL DITHIOPHOSPHATE
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Value: > 2000 mg/kg Animal test species: rat
	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 2230 mg/kg Animal test species: rat

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.
Skin contact	Repeated or prolonged skin contact may cause defatting and oil acne.
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.

11.2 Other information

Endocrine disruption	No information available.
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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	The product is not classified as dangerous for the environment
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12.2. Persistence and degradability

Persistence and degradability description/evaluation	No information available.
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12.3. Bioaccumulative potential

Bioaccumulation, evaluation	No information available.
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12.4. Mobility in soil

Mobility	The product is insoluble and floats on water.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	No information available.
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12.6. Endocrine disrupting properties

Endocrine disrupting properties	No information available.
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12.7. Other adverse effects

Additional ecological information	No information available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Dispose of in accordance with local regulations.
Appropriate methods of disposal for the contaminated packaging	Fully drained containers which are drop- and scrape-free can be treated as industrial waste, and can possibly be recycled.
EWC waste code	EWC waste code: 200126 oil and fat other than those mentioned in 20 01 25

SECTION 14: Transport information

14.1. UN number

Comments	Not classified
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14.2. UN proper shipping name

Comments	Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR
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14.3. Transport hazard class(es)

Comments	Not classified
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14.4. Packing group

Comments	Not classified
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14.5. Environmental hazards

ADR/RID/ADN	The product is not classified as Environmentally Hazardous.
IMDG	The product is not classified as Environmentally Hazardous.

14.6. Special precautions for user

Special safety precautions for user	No information available.
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14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk (yes/no)	No
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SECTION 15: Regulatory information

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

Legislation and regulations	Regulation (EC) No 1272/2008/EEC on classification, labelling and packaging of substances and mixtures (CLP).
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15.2. Chemical safety assessment

Chemical safety assessment	Information is not available.
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H315 Causes skin irritation. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects.
Recommended restrictions on use	For professional users only.
Additional information	This safety datasheet only contains information relating to safety and does not replace any product information or product specification.
Key literature references and sources for data	Material Safety Data Sheet from manufacturer. 16.01.2017 v7.1
Abbreviations and acronyms used	ADR: European agreement concerning the international carriage of dangerous goods by Road. IMDG: International Maritime Dangerous Goods. IATA: International Air Transport Association. ICAO: International Civil Aviation Organisation RID: Regulations concerning the International carriage of Dangerous goods by rail. DNEL: Derived no effect level. PNEC: Predicted no effect concentration. STOT SE: Specific target organ toxicity - single exposure. BCF: Biological concentration factor. NOEC: No Observed Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic. vPvB: Very Persistent and Very Bioaccumulative. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). LC50: Lethal Concentration to 50 % of a test population. ErC50: Effective concentrations that inhibit growth 50 %. EC50: 50% of maximal Effective Concentration. LL50: Median lethal load. IL50: Median inhibition load. EL50: Median effect load. ATE: Acute Toxicity Estimate.
Information added, deleted or revised	Relevant changes are indicated with verticle lines in the margin.
Version	2