



MATERIAL SAFETY DATA SHEET

NORDIC LIGHT 8 ELITE

according to 1907/2006/EC, Article 31

Printing date 15.11.2023



Version number 1.0

Revision: 15.11.2023

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

- **1.1 Product identifier**
- **Trade name:** **NORDIC LIGHT 8 ELITE**
- **UFI:** E781-N03W-U00P-CWPO
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category** PC15 Non-metal-surface treatment products
- **Application of the substance / the mixture** Raw material for resins
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Thermo-Logic AB
Gamla Landsvägen 3F
438 34 Landvetter, Sweden
Dir: +48 880 427 683, +46 73 350 10 40
Vxl: +46 10 200 82 22
info@thermo-logic.se
www.thermo-logic.se
- **Further information obtainable from:** Thermo-Logic AB
- **1.4 Emergency telephone number:**
Dir: +48 880 427 683, +46 73 350 10 40
Vxl: +46 10 200 82 22

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
-  GHS05 corrosion
- Eye Dam. 1 H318 Causes serious eye damage.
-  GHS07
- Acute Tox. 4 H302 Harmful if swallowed.
- Skin Irrit. 2 H315 Causes skin irritation.
- Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



- **Signal word** Danger
- **Hazard-determining components of labelling:**
Tris(2-chloro-1-methylethyl) phosphate
N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine
2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with Propylene oxide and n-butyl glycidyl ether 2-[[2-(dimethylamino)ethyl]methylamino]ethanol
- **Hazard statements**
H302 Harmful if swallowed.
H315 Causes skin irritation.

(Contd. on page 2)



MATERIAL SAFETY DATA SHEET

NORDIC LIGHT 8 ELITE

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Printing date 15.11.2023

Version number 1.0

Revision: 15.11.2023

Trade name: NORDIC LIGHT 8 ELITE

(Contd. of page 1)

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

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

P301+P312 SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN:

P302+P352 Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties No endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 1244733-77-4 Reg.nr.: 01-2119486772-26-xxxx	Tris(2-chloro-1-methylethyl) phosphate Acute Tox. 4, H302 Aquatic Chronic 3, H412	25-50%
EC number: 926-564-6 Reg.nr.: 01-2119971810-36-0000	2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with Propylene oxide and n-butyl glycidyl ether Acute Tox. 4, H302	2.5-10%
CAS: 6711-48-4 EINECS: 229-761-9 Reg.nr.: 01-2119964469-20	N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine Acute Tox. 3, H311 Skin Corr. 1B, H314; Eye Dam. 1, H318 Acute Tox. 4, H302	≥3-<5%
CAS: 2212-32-0 EINECS: 218-658-4 Reg.nr.: 01-212075334-51	2-[[2-(dimethylamino)ethyl]methylamino]ethanol Skin Corr. 1C, H314; Eye Dam. 1, H318	≥1-≤2.5%
CAS: 110-63-4 EINECS: 203-786-5 Reg.nr.: 01-2119471849-20-0014	butane-1,4-diol Acute Tox. 4, H302; STOT SE 3, H336	≤2.5%
CAS: 68479-98-1 EINECS: 270-877-4 Index number: 612-130-00-0 Reg.nr.: 01-2119486805-25	diethylmethylbenzenediamine STOT RE 2, H373 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H302; Acute Tox. 4, H312; Eye Irrit. 2, H319	≥0.25-<2.5%
CAS: 80-70-6 EINECS: 201-302-7 Reg.nr.: 01-2120108945-53	1,1,3,3-tetramethylguanidine Flam. Liq. 3, H226 Skin Corr. 1B, H314; Eye Dam. 1, H318 Acute Tox. 4, H302	≥1-≤2.5%
CAS: 1704-62-7 EINECS: 216-940-1 Reg.nr.: 01-2119976346-26-0002	2-[2-(Dimethylamino) ethoxy]ethanol Skin Corr. 1C, H314; Eye Dam. 1, H318 Acute Tox. 4, H312	≥1-≤2.5%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

(Contd. on page 3)



MATERIAL SAFETY DATA SHEET

NORDIC LIGHT 8 ELITE

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Revision: 15.11.2023

Trade name: NORDIC LIGHT 8 ELITE

(Contd. of page 2)

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
Every person taking part in fire-fighting must wear complete protective clothing: full face mask with breathing apparatus feeded from independent air source, safety helmet, a coverall, gloves and shoes made of PVC.
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Suitable material for receptacles and pipes: steel or stainless steel.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

(Contd. on page 4)



MATERIAL SAFETY DATA SHEET

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Revision: 15.11.2023

Trade name: NORDIC LIGHT 8 ELITE

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

CAS: 1244733-77-4 Tris(2-chloro-1-methylethyl) phosphate

Oral	DNEL	0.52 mg/kg b.w./day (consumers)
Dermal	DNEL	1.04 mg/kg b.w./day (consumers) (long-term exposure, systemic effect) 4 mg/kg b.w./day (consumers) (short-term exposure, systemic effect) 8 mg/kg b.w./day (workers) (short-term exposure, systemic effect) 2.08 mg/kg b.w./day (workers) (long-term exposure, systemic effect) 1.46 mg/m ³ (consumers) (long-term exposure, systemic effect)
Inhalative	DNEL	11.2 mg/m ³ (consumers) (short-term exposure, systemic effect) 22.4 mg/m ³ (workers) (short-term exposure, systemic effect)

CAS: 6711-48-4 N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine

Oral	DNEL	0.08 mg/kg b.w./day (consumers) (long-term exposure, systemic effect) 0.08 mg/kg b.w./day (consumers) (long-term exposure, systemic effect) 0.17 mg/kg b.w./day (workers) (long-term exposure, systemic effect) 0.36 mg/m ³ (consumers) (long-term exposure, systemic effect)
Dermal	DNEL	1.47 mg/m ³ (workers) (long-term exposure, systemic effect)
Inhalative	DNEL	

CAS: 68479-98-1 diethylmethylbenzenediamine

Oral	DNEL	0.1 mg/kg b.w./day (consumers) (long-term exposure) 1 mg/kg b.w./day (consumers) (long-term exposure) 1 mg/kg b.w./day (workers) (long-term exposure) 0.1 mg/m ³ (consumers) (long-term exposure)
Dermal	DNEL	0.13 mg/m ³ (workers) (long-term exposure)
Inhalative	DNEL	

CAS: 1704-62-7 2-[2-(Dimethylamino)ethoxy]ethanol

Dermal	DNEL	0.28 mg/kg b.w./day (consumers) (long-term exposure, systemic effect) 2.33 mg/kg b.w./day (workers) (long-term exposure, systemic effect) 0.085 mg/m ³ (consumers) (long-term exposure, systemic effect)
Inhalative	DNEL	1.07 mg/m ³ (workers) (long-term exposure, local effect)

· **PNECs**

CAS: 1244733-77-4 Tris(2-chloro-1-methylethyl) phosphate

PNEC	0.064 mg/l (marine water)
	0.64 mg/l (fresh water)
	7.84 mg/l (waste treatment plant) 1.7 mg/kg (soil)
PNEC	1.34 mg/kg (marine water sediment)
	13.4 mg/kg (fresh water sediment)

CAS: 6711-48-4 N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine

PNEC	0.079 mg/l (intermittent)
	0.00079 mg/l (marine water)
	0.0079 mg/l (fresh water)
	10 mg/l (waste treatment plant) 0.0282 mg/kg (soil)
PNEC	0.0164 mg/kg (marine water sediment)
	0.164 mg/kg (fresh water sediment)

(Contd. on page 5)



MATERIAL SAFETY DATA SHEET

NORDIC LIGHT 8 ELITE

according to 1907/2006/EC, Article 31

Printing date 15.11.2023

Version number 1.0

Revision: 15.11.2023

Trade name: **NORDIC LIGHT 8 ELITE**

(Contd. of page 4)

CAS: 68479-98-1 diethylmethylbenzenediamine

Oral	PNEC	2 mg/kg foods (secondary poisoning)
	PNEC	0.005 mg/l (intermittent)
PNEC		0.00005 mg/l (marine water)
		0.0005 mg/l (fresh water)
		17 mg/l (waste treatment plant)
		5.6 mg/kg dry weight (soil)
		0.0029 mg/kg dry weight (marine water sediment)
		0.029 mg/kg dry weight (sediment)

CAS: 1704-62-7 2-[2-(Dimethylamino) ethoxy]ethanol

PNEC		1 mg/l (intermittent)
		0.01 mg/l (marine water)
		0.1 mg/l (fresh water)
		100 mg/l (waste treatment plant) 0.02817
PNEC		mg/kg (soil)
		0.0087 mg/kg (marine water sediment)
		0.08696 mg/kg (fresh water sediment)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product.

Due to missing tests no recommendation to the glove material can be given for the product/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection**



Tightly sealed goggles

· **Environmental exposure controls**

There are not any obligations to make regular measurements of emission to environment. Basic rules of machinery and devices exploitation are to be observed.

(Contd. on page 6)



MATERIAL SAFETY DATA SHEET

NORDIC LIGHT 8 ELITE

according to 1907/2006/EC, Article 31

Printing date 15.11.2023

Version number 1.0

Revision: 15.11.2023

Trade name: NORDIC LIGHT 8 ELITE

(Contd. of page 4)

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· Physical state	Fluid	
· Colour:	milky brown	
· Odour:	Characteristic	
· Odour threshold:	Not determined.	
· Melting point/freezing point:	Undetermined.	
· Boiling point or initial boiling point and boiling range	Undetermined.	
· Flammability	Not applicable.	
· Lower and upper explosion limit		
· Lower:	Not determined.	
· Upper:	Not determined.	
· Flash point:	Not applicable.	
· Decomposition temperature:	Not determined.	
· pH	Not determined.	
· Viscosity:		
· Kinematic viscosity	Not determined.	
· Dynamic at 25 °C:	1.000-1.600 mPas	
· Solubility		
· water:	Not miscible or difficult to mix.	
· Partition coefficient n-octanol/water (log value)	Not determined.	
· Vapour pressure:	Not determined.	
· Density and/or relative density		
· Density at 25 °C:	1.09-1.13	g/cm ³
· Relative density	Not determined.	determined.
· Vapour density	Not determined.	

· **9.2 Other information**

· Appearance:	
· Form:	Liquid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Change in condition	
· Evaporation rate	Not determined.

· **Information with regard to physical hazard classes**

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

(Contd. on page 7)



MATERIAL SAFETY DATA SHEET

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Trade name: NORDIC LIGHT 8 ELITE

(Contd. of page 6)

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
Avoid reaction with water (humidity) – gaseous carbon dioxide is produced. The product comes into exothermic reactions with materials containing active hydroxyl groups.
- **10.2 Chemical stability** The product is stable at room temperature.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Avoid heat sources (sunbeams, heaters and the like) influence.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if swallowed.

• **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral	LD50	1,328 mg/kg
Dermal	LD50	11,482 mg/kg

CAS: 1244733-77-4 Tris(2-chloro-1-methylethyl) phosphate

Oral	LD50	632 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with Propylene oxide and n-butyl glycidyl ether

Oral	LD50	738 mg/kg (rat)
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CAS: 6711-48-4 N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine

Oral	LD50	1,250 mg/kg (rat)
Dermal	LD50	370 mg/kg (rabbit)

CAS: 2212-32-0 2-[[2-(dimethylamino)ethyl]methylamino]ethanol

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

CAS: 110-63-4 butane-1,4-diol

Oral	LD50	1,525 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	5.1 mg/l (rat)

CAS: 68479-98-1 diethylmethylbenzenediamine

Oral	LD50	738 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

CAS: 80-70-6 1,1,3,3-tetramethylguanidine

Oral	LD50	500 mg/kg (ATE)
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CAS: 1704-62-7 2-[2-(Dimethylamino) ethoxy]ethanol

Dermal	LD50	1,663 mg/kg (rabbit)
Inhalative	LC50/4 h	>392.2 mg/l (rat)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

(Contd. on page 8)



MATERIAL SAFETY DATA SHEET

NORDIC LIGHT 8 ELITE

according to 1907/2006/EC, Article 31

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Trade name: NORDIC LIGHT 8 ELITE

- **11.2 Information on other hazards** No further data.
- **Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

(Contd. of page 7)

SECTION 12: Ecological information

• **12.1 Toxicity**

• **Aquatic toxicity:**

CAS: 1244733-77-4 Tris(2-chloro-1-methylethyl) phosphate

EC50/48h	131 mg/l (daphnia) (OECD 202 Daphnia sp. Acute Immobilisation Test) 82 mg/l
EC50/72h	l (algae) (OECD 201 Growth Inhibition Test)
LC50/96h	51 mg/l (fish) (OECD 203 Acute Toxicity Test)

2,2',6,6'-Tetrabromo-4,4'-isopropylidenediphenol, oligomeric reaction products with Propylene oxide and n-butyl glycidyl ether

ErC50/72h	>100 mg/l (algae)
EC50/48h	>100 mg/l (daphnia) (punkt C.2 w Załączniku V do Dyrektywy 67/548/EWG)
LC50/96h	>100 mg/l (fish) (OECD 203 Acute Toxicity Test)
EC50/3h	>1,000 mg/l (bacteria) (OECD 209 Respiration Inhibition Test)

CAS: 6711-48-4 N'-[3-(dimethylamino)propyl]-N,N-dimethylpropane-1,3-diamine

Oral	NOEC/3h (static)	1,000 mg/l (bacteria) (OECD 209 Respiration Inhibition Test)
	ErC50/72h (static)	7.9 mg/l (algae) (OECD 201 Growth Inhibition Test)
	LOAEL/72h (static)	1.7 mg/l (algae) (OECD 201 Growth Inhibition Test)
	NOECr/96h	3.5 mg/l (daphnia)
	EC50/48h (static)	50.3 mg/l (daphnia) (OECD 202 Daphnia sp. Acute Immobilisation Test) 21.4
	LC50/96h (static)	mg/l (fish) (OECD 203 Acute Toxicity Test)
	NOECr	3.5 mg/l (daphnia)
	EC50/3h (static)	>1,000 mg/l (bacteria) (OECD 209 Respiration Inhibition Test) 1.2
	NOECr/72h (static)	mg/l (algae) (OECD 201 Growth Inhibition Test)

CAS: 110-63-4 butane-1,4-diol

LC50/96h	33,000 mg/l (fish)
UE50/48h	15,000 mg/l (daphnia)

CAS: 68479-98-1 diethylmethylbenzenediamine

EC10/72h	54 mg/l (algae) 0.5
EC50/48h	mg/l (daphnia) 104
EC50/72h	mg/l (algae) 0.5
LC50/48h	mg/l (daphnia) 200
	mg/l (fish)

CAS: 1704-62-7 2-[2-(Dimethylamino) ethoxy]ethanol

ErC50/72h (static)	160 mg/l (algae) (OECD 201 Growth Inhibition Test)
EC50/48h (static)	>100 mg/l (daphnia) (OECD 202 Daphnia sp. Acute Immobilisation Test) 320
LC50/96h (static)	mg/l (fish) (DIN 38412)
NOEC/3h	>1,000 mg/l (bacteria) (OECD 209 Respiration Inhibition Test)
NOECr/72h (static)	40 mg/l (algae) (OECD 209 Respiration Inhibition Test)

- **12.2 Persistence and degradability** No further relevant information available.

• **12.3 Bioaccumulative potential**

CAS: 1244733-77-4 Tris(2-chloro-1-methylethyl) phosphate

BCF	8-14 (fish)
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- **12.4 Mobility in soil** No further relevant information available.

• **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

(Contd. on page 9)



MATERIAL SAFETY DATA SHEET

NORDIC LIGHT 8 ELITE

according to 1907/2006/EC, Article 31

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Version number 1.0

Revision: 15.11.2023

Trade name: NORDIC LIGHT 8 ELITE

(Contd. of page 8)

- **12.7 Other adverse effects**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**
1 Regulation of the Minister of Climate of 2 January 2020 on the waste catalogue (OJ 2020, item 10)
2. the Commission (EU) notice on technical guidance on waste classification (2018/C 124/01)
3. Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives (Guidelines for HP01-08, 10-13,15)
4 Council Regulation (EU) 2017/997 of 8 June 2017 amending Annex III to Directive 2008/98/EC of the European Parliament and of the Council with regard to the hazardous property HP 14 "Ecotoxic" (Guidance document for HP14)

The waste codes listed are a proposal based on the likely use of the product. Based on the specific types of use and waste management conditions, other waste codes may be assigned if necessary.

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP6	Acute Toxicity
HP8	Corrosive
HP14	Ecotoxic

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number	not regulated
· ADR/RID/ADN, IMDG, IATA	not regulated
· 14.2 UN proper shipping name	not regulated
· ADR/RID/ADN, IMDG, IATA	not regulated
· 14.3 Transport hazard class(es)	not regulated
· ADR/RID/ADN, ADN, IMDG, IATA	not regulated
· Class	not regulated
· 14.4 Packing group	not regulated
· ADR/RID/ADN, IMDG, IATA	not regulated
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	not regulated

(Contd. on page 10)



MATERIAL SAFETY DATA SHEET

NORDIC LIGHT 8 ELITE

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Printing date 15.11.2023

Version number 1.0

Revision: 15.11.2023

Trade name: **NORDIC LIGHT 8 ELITE**

(Contd. of page 9)

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 1. Regulation (EC) No 1272/2008 Of The European Parliament And Of The Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
 2. Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 and Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67EWG, 93/105/EC and 2000/21/WE
 3. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
 - H226 Flammable liquid and vapour.
 - H302 Harmful if swallowed.
 - H311 Toxic in contact with skin.
 - H312 Harmful in contact with skin.
 - H314 Causes severe skin burns and eye damage.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - H336 May cause drowsiness or dizziness.
 - H373 May cause damage to organs through prolonged or repeated exposure.
 - 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.
- **Contact:** Thermo-Logic AB
- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances

(Contd. on page 11)

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MATERIAL SAFETY DATA SHEET

NORDIC LIGHT 8 ELITE

Page 11/11

according to 1907/2006/EC, Article 31

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Trade name: NORDIC LIGHT 8 ELITE

(Contd. of page 10)

CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic
Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 Aquatic
Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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