



SAFETY DATA SHEET

KVA AE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/ UNDERTAKING

Product name KVA AE

Applications -
Product Code -
Reg. Code -

Supplier Norsk Wax AS
Address Øvre Steinstredet 7, 3275 Larvik, Norway
Telephone +47 33 11 65 68
Fax +47 35 57 33 01
Internet <http://www.norsk-wax.no>

Manufacturer Paramelt B.V.
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Telephone +31 (0) 72 57 50 600
Fax +31 (0) 72 57 50 699
Internet <http://www.paramelt.com>

Responsible Jarl Markus Pettersen (E-mail jmp@norsk-wax.no)
SDS made by Lunde HMS Consult, Norway / Roy E. Lunde (E-mail rel@msds.no)

Emergency
Telephone Number Emergency Telephone Number: +44 08 45 46 47 (24 hour telephone) - 112

2. HAZARDS IDENTIFICATION

Hazard communication CLP Not regarded as a health, fire, explosion or environmental hazard under current legislation. Safety data sheet available for professional user on request.

Hazard communication CLP Not regarded as a health, fire, explosion or environmental hazard under current legislation.

Hazard statements EUH210 Safety data sheet available on request.

3. COMPOSITION/INFORMATION ON INGREDIENTS

DPD:

Ingredients	EC-No.	CAS-No.	Content, %	Symbol	Classification
Paraffin wax	232-315-6	8002-74-2	80-100		-
Titanium dioxide	236-675-5	13463-67-7	<5		-

CLP:

Ingredients	CAS nr.	REACH-no.	Content, %	Symbol	Classification
Paraffin wax	8002-74-2	232-315-6	80 - 100		-
Titanium dioxide	13463-67-7	236-675-5	<5		-

See section 16 for explanations to R-phrases.

4. FIRST AID MEASURES

General Information Molten product may cause skin burns.
Inhalation Fresh air and rest. Get medical attention if any discomfort continues.
Ingestion Contact physician if larger quantity has been consumed.
Skin Cool skin rapidly with cold water after contact with molten product. Get medical attention if irritation persists after washing.
Eyes Promptly wash eyes with plenty of water while lifting the eye lids.
 Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention if any discomfort continues. Do not rub eye.

5. FIRE-FIGHTING MEASURES

Extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.
Special fire fighting procedures Avoid water in straight hose stream; will scatter and spread fire. Move container from fire area if it can be done without risk.
Specific hazards Product is not flammable. Melted product will spatter on contact with water.
Hazardous combustion products Carbon monoxide (CO), Carbon dioxide (CO₂).
Protective measures in fire Firefighters exposed to combustion gases/decomposition products should use a respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

Personal protection	Wear appropriate personal protective equipment - see Section 8..
Environmental protection	No environmental risk is given.
Spill cleanup methods	Let solidify and scrape up.

7. HANDLING AND STORAGE

Usage precautions	If in melted form, eye protection is needed. Take appropriate precautions to prevent contact with hot product.
Storage precautions	Store at ambient temperature. Keep away from heat, sparks and open flame.
Storage criteria	Unspecified storage.
Specific use(s)	Contact supplier for more information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name	CAS nr.	EG-nr.	LT Exp 8 Hrs	ST Exp 15 Min	Notification
Paraffin waxes and Hydrocarbon waxes	8002-74-2	232-315-6	2 mg/m ³	-	WEL
Titanium dioxide	13463-67-7	236-675-5	5 mg/m ³	-	WEL
Ingredient comments	AFS = Svenska hygieniska gränsvärden och åtgärder mot luftföroreningar. H = Ämnet kan lätt upptas genom huden. C = Ämnet är cancerframkallande. S = Ämnet är sensibiliserande. R = Ämnet är reproduktionsstörande. M= Medicinsk kontroll krävs för hantering av ämnet.				



Process conditions	Provide eyewash station.
Ventilation	Provide sufficient ventilation when heated.
Respirators	Respiratory protection not required.
Protective gloves	Use gloves if in contact with melted product.
Eye protection	Safety goggles or face shield should be used if risk of splashes from melted product.
Other Protection	Protective clothing if risk of contact with melted product.
Hygienic work practices	No special practices noted.
DNEL	No data.
PNEC	No data.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid. Wax.	Volatility by volume (%):	-
Colour:	White	Decomposition temp. °C:	-
Odour:	Mild. Wax.	Flash point (°C):	>170
Solubility description:	Insoluble in water. Soluble in organic solvents	Auto ignition temp. (°C):	-
Solubility value (g/100g H₂O 20°C):	<1	Flammability limit (%):	-
Molecular weight:	-	pH, conc. Solution:	-
Boiling point (°C, interval):	-	pH, diluted solution:	-
Melting point/range, °C:	~ 70	Viscosity, interval:	14-17 mPas @100 °C, ASTM D3236
Density, g/cm³:	~0.9	Decomposition temp. (°C):	-
Vapour pressure:	-	Partition coeff. (log Pow):	-
Evaporation rate (BuAc=1):	-	Congealing point	62-66 °C, ASTM 938
Penetration (needle), 25 °C	30-40 dmm, ASTM D1321	Drop point	~67 °C, ASTM D3954
Penetration (needle), 43.3 °C	~ 200 dmm, ASTM D1321	Dog Bone, tensile strength	Min. 140 %
Physical data comments:	Liquid fraction, 40 °C: ~ 23 %		

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions and recommended use.
Conditions to avoid	Avoid heat, flames and other sources of ignition.
Hazardous polymerisation	Will not polymerise.
Materials to avoid	None.
Hazardous decomp. products	No hazardous decomposition products when used at recommended use and storage conditions.

11. TOXICOLOGICAL INFORMATION

Toxicological data	
Toxic dose- LD 50, oral	> 5000 mg/Kg (oral rat)
Toxic dose LD 50, skin	> 5000 mg/kg (skin rabbit)
Sensitization	No allergic reaction is known.
Genotoxicity	No known heritable or mutagenic effects.
Carcinogenicity	Contains no components with known carcinogenic effects.
Reproduction toxicity	No known hazardous effects on reproduction, fertility or to the unborn child.
Health hazards, general	-
Inhalation	No specific health warnings noted.
Ingestion	May give discomfort if large quantities are ingested.
Skin	Molten materials will produce burns.
Eyes	Particles in the eyes may cause irritation and smarting.
Route of entry	Skin and/or eye contact. Ingestion.

COMOPONENT	Paraffin wax
Toxic dose, LD50, oral	>5000 mg/kg (oral-rat)
Toxic dose, LD50, skin	>3000 mg/kg (skin rabbbbit)

COMPONENT	Titanium dioxide
Toxic dose, LD50, oral	10000 mg/kg (oral-rat)
Toxic dose, LD50 skin	>10000 mg/kg (skin rabbit)
Toxic konc, LC50, inh.	>T>4.68 mg/l/4h (inh-rat)

12. ECOLOGICAL INFORMATION

Ecotoxicological data	
LC50, 96h, Fish, (mg/l)	>1000
EC50, 48h, Daphnia, (mg/l)	>1000
IC50, 72h, Algea, (mg/l)	>100
Ecotoxicity	Not regarded as dangerous for the environment.
Mobility	Solid. The product is insoluble in water and will spread on the water surface.
Bioaccumulative potential	The product is easily biodegradable.
Persistence and degradability	The product is easily biodegradable.
Other adverse effects	Results of PBT, vPvB assessment: Not classified as PBT or vPvB substance.
Acute fish toxicity	The product contains no substances that can cause adverse effects in the environment.

COMPONENT	Paraffin wax
LC 50, 96 Hrs, Fish mg/l	>1000
Persistence and degradability	78 - 84 % deg., 28d, Method: OECD 301B

COMPONENT	Titanium dioxide
LC50, 96h, Fish, (mg/l)	> 1000 (Fundulus heteroclitus)
EC50, 48h, Daphnia, (mg/l)	>1000 (Daphnia magna)

13. DISPOSAL CONSIDERATIONS

General/cleaning	Product is not hazardous waste.
Disposal methods	Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.
Waste class	04 02 10 organic matter from natural products (for example grease, wax)
Contaminated packing	15 01 02 plastic packaging The product packaging must be disposed of in compliance with the country specific regulations.

14. TRANSPORT INFORMATION

General	The product is not covered by international regulation on the transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO)
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15. REGULATORY INFORMATION

Safety phrases	None.
EU directives	EC-regulation 453/2010/EC (CLP), 1907/2006/EC (REACH), 1272/2008/EC, 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

16. OTHER INFORMATION

Explanations to R-phrases in section 3	None
Explanations to H-phrases in section 3	None
Information revised since the previous version of the SDS	
Revision comments	None, new SDS.
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Rev. no./repl. SDS generated

Safety Data Sheet status

Signature

Disclaimer

CLP ATP01

R. E. Lunde

The information in this data sheet is considered to be correct according to present knowledge and experience, but there is no guarantee that it is complete. It is therefore in the user's interest to ensure that the information is sufficient for the area it is intended for.