Sunchem AB

SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

K500

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : K500

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

Relevant identified uses

Main use category : Professional use
Use of the substance/mixture :1-component adhesive.

Uses advised against

No additional information available

1.3.Details of the supplier of the safety data sheet

Sunchem AB
Box 69
S-433 21 Partille Sweden
T +46 31 447310
F +46 31 449581
E-mail: purchasing@sunco.se

Contact person : Dick Sundström

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182/+44 191 2606180 24H

SECTION 2: HAZARDS IDENTIFICATION

2.1.Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3 H226
Skin Irrit. 2 H315
STOT SE 3 H336
Aquatic Chronic 3 H412
Full text of H statements : see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS02 GHS07

Signal word (CLP) : Warning

Hazardous ingredients : Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction With hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (– 4°F to 374°F).]; butanone; ethyl methyl ketone; acetone; propan-2one; propanone; methylcyclohexane

Hazard statements (CLP)
H226 - Flammable liquid and vapour.
H315 - Causes skin irritation.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) :
P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, open flames, sparks. No smoking.
P233 - Keep container tightly closed.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves.
P261 - Avoid breathing vapours.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTER/doctor if you feel unwell.
P273 - Avoid release to the environment.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Comment : *)Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Naphtha (petroleum), hydrotreated heavy (Note P)	(CAS-No.) 64742-48-9 (EC-No.) 265-150-3 (EC Index-No) 649-327-00-6 (REACH-no) 01-2119463258-33	10 - 20	Asp. Tox. 1,H304**) Note P *)

Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction With hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (– 4°F to 374°F).] (Note P)	(CAS-No.) 64742-49-0 (EC-No.) 265-151-9 (EC Index-No.) 649-328-00-1 (REACH-no) 01-2119475133-43	5 - 10	Asp. Tox. 1,H304**) Note P *)
methylcyclohexane	(CAS-No.) 108-87-2 (EC-No.) 203-624-3 (EC Index-No.) 601-018-00-7 (REACH-no) 01-2119556887-18	5 - 10	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
butanone; ethyl methyl ketone	(CAS-No.) 78-93-3 (EC-No.) 201-159-0 (EC Index-No.) 606-002-00-3 (REACH-no) 01-2119457290-43	< 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
acetone; propan-2-one; propanone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49	< 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

*)Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7)
**) Exception from H304 classification due to viscosity kinematic > 20.5 mm²/s

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact : Take off immediately all contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Repeated exposure may cause skin dryness or cracking.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Drink plenty of water. Do not give victim anything to drink if he is unconscious. Do NOT induce vomiting. Obtain emergency medical attention.

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

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2.Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour. Vapours are heavier than air and spread above ground.

Explosion hazard : May form flammable/explosive vapour-air mixture.

Hazardous decomposition products in case of flammable gases/vapours/fumes. fire : Carbon dioxide (CO2). Carbon monoxide (CO). Highly Hydrocarbons.

5.3. Advice for firefighters

Firefighting instructions : Move containers away from the fire area if this can be done without risk. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper personal protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1.Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation, especially in confined areas. Avoid contact with skin and eyes. No open flames. No smoking. Remove ignition sources. Use special care to avoid static electric charges.

For non-emergency personnel

Protective equipment : Wear appropriate personal protective equipment - see Section 8.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Avoid breathing dust/fume/gas/mist/vapours/spray.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Discharging into rivers and drains is forbidden. Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3.Methods and material for containment and cleaning up

For containment : Collect all waste in suitable and labelled containers and dispose according to local legislation.

Methods for cleaning up : Mechanically recover the product. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Post clean with water.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Additional hazards when processed : Flammable liquid storage. Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Ensure adequate ventilation. Avoid breathing vapours. Avoid contact with skin and eyes. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking. Provide eyewash station. Use only nonsparking tools. Use only outdoors or in a well-ventilated area.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2.Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.

Storage conditions : Keep container tightly closed. Store in a well-ventilated place. Keep cool. Flammable liquid storage. Keep in fireproof place. Keep only in original container.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional data.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

butanone; ethyl methyl ketone (78-93-3)		
United Kingdom	Local name	Butan-2-one (methyl ethyl ketone)
United Kingdom	WEL TWA (mg/m³)	600 mg/m³
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m³)	899 mg/m³
United Kingdom	WEL STEL (ppm)	300 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
acetone; propan-2-one; propanone (67-64-1)		
United Kingdom	Local name	Acetone
United Kingdom	WEL TWA (mg/m³)	1210 mg/m³
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m³)	3620 mg/m³
United Kingdom	WEL STEL (ppm)	1500 ppm

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment. Avoid all unnecessary exposure.

Hand protection : For prolonged or repeated skin contact use suitable protective gloves. Nitrile rubber.
Breakthrough time : 6 (> 480 minutes). Layer thickness : 0,2 - 0,4 mm. STANDARD EN 374.

Eye protection : Use splash goggles when eye contact due to splashing is possible. STANDARD EN 166.

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of inadequate ventilation wear respiratory protection. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust. EN 14387

Other information	:	Do not eat, drink or smoke during use.
Termal hazards		Flammable liquid and vapour.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1.Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Paste.
Colour	According to product specification.
Odour	Organic solvents.
Odour threshold	Not determined.
pH	Not relevant.
Relative evaporation rate (butylacetate=1)	Not determined.
Melting point	Not determined.
Freezing point	Not determined.
Boiling point	57 °C
Flash point	2 °C
Auto-ignition temperature	> 200 °C
Decomposition temperature	> 120 °C
Flammability (solid, gas)	Flammable liquid and vapour.
Vapour pressure	Not determined.
Vapour pressure at 50 °C	> 110 kPa
Relative vapour density at 20 °C	> 1
Relative density	Not determined.
Density	1.07 g/cm³
Solubility	soluble in most organic solvents. Material insoluble in water.
Log Pow	Not determined.
Viscosity, kinematic	> 20.5 mm²/s
Viscosity, dynamic	Not determined.

Explosive properties	:	Product is not explosive.
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available. The product is flammable liquid and vapour.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable in use and storage conditions as recommended in item 7.

10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3.Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition. Heat. Direct sunlight.

10.5. Incompatible materials

No data available.

10.6.Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. May release flammable gases.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1.Information on toxicological effects

Acute toxicity : Not classified

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
butanone; ethyl methyl ketone (78-93-3)	
LD50 oral rat	2193 mg/kg
LD50 dermal rabbit	5000 mg/kg
LC50 inhalation rat (mg/l)	34 mg/l/4h
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction With hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (– 4°F to 374°F).] (64742-49-0)	
LD50 oral rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	56 mg/l/4h
acetone; propan-2-one; propanone (67-64-1)	
LD50 oral rat	5800 mg/kg
LD50 dermal rabbit	20000 mg/kg
LC50 inhalation rat (mg/l)	76 mg/l
LC50 inhalation rat (Vapours - mg/l/4h)	76 mg/l/4h
methylcyclohexane (108-87-2)	
LD50 oral rat	3200 mg/kg
LD50 dermal rat	14450 mg/kg

Skin corrosion/irritation	:	Causes skin irritation. Repeated exposure may cause skin dryness or cracking. pH: Not relevant.
Serious eye damage/irritation	:	Not classified Liquid splashes in the eye may cause irritation.
Respiratory or skin sensitisation	:	Based on available data, the classification criteria are not met pH: Not relevant.
Germ cell mutagenicity	:	Not classified Based on available data, the classification criteria are not met Not classified
Carcinogenicity		Based on available data, the classification criteria are not met Not classified
Reproductive toxicity	:	Based on available data, the classification criteria are not met Not classified
STOT-single exposure	:	Based on available data, the classification criteria are not met May cause drowsiness or dizziness.
STOT-repeated exposure	:	Not classified Based on available data, the classification criteria are not met
Aspiration hazard	:	Not classified Based on available data, the classification criteria are not met

K500/PL Lim	
Viscosity, kinematic	> 20.5 mm²/s

Potential adverse human health effects and criteria are not met. symptoms : Based on available data, the classification

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
LC50 fish 1	2200 mg/l (96 hours - Pimephales promelas)
butanone; ethyl methyl ketone (78-93-3)	
LC50 fish 1	2990 mg/l (96 hours - Pimephales promelas)
EC50 Daphnia 1	> 308 mg/l (48 hours - Daphnia magna)
NOEC (chronic)	100 mg/l
Threshold limit algae 1	110 mg/l
acetone; propan-2-one; propanone (67-64-1)	
LC50 fish 1	635 mg/l (96 hours - Pimephales promelas)
EC50 Daphnia 1	10 mg/l (48 hours - Daphnia magna)
methylcyclohexane (108-87-2)	
LC50 fish 1	5.8 mg/l

12.2.Persistence and degradability

K500/PL Lim	
Persistence and degradability	May cause long-term adverse effects in the environment.
Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
Biodegradation	70 % (OECD 301F method)
acetone; propan-2-one; propanone (67-64-1)	
Persistence and degradability	Biodegradable.
BOD (% of ThOD)	0.96 % ThOD BOD5/COD
Biodegradation	< 78 % (OECD 301B method)

12.3. Bioaccumulative potential

K500/PL Lim	
Log Pow	Not determined.
Bioaccumulative potential	Bioaccumulation unlikely.
butanone; ethyl methyl ketone (78-93-3)	
Log Pow	0.61
acetone; propan-2-one; propanone (67-64-1)	
Bioconcentration factor (BCF REACH)	0.69
Log Pow	-0.27

12.4. Mobility in soil

K500/PL Lim	
Ecology - soil	The product contains substances which are insoluble in water and which sediment in water systems.

12.5.Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste) : Dispose as hazardous waste.

Waste treatment methods : Do not discharge into drains.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant.

Additional information : The given LoW-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code. Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1133	1133	1133	1133	1133
14.2. UN proper shipping namne				
ADHESIVES	ADHESIVES	Adhesives	ADHESIVES	ADHESIVES
Transport document description				
UN 1133 ADHESIVES, 3, III, (D/E)	UN 1133 ADHESIVES, 3, III			
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

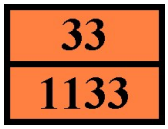
Special provisions (ADR) : 640C

Limited quantities (ADR) : 5l

Excepted quantities (ADR) : E2

Hazard identification number (Kemler No.) : 33

Orange plates :



EAC code : •3YE

- Transport by sea

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E2

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-D

- Air transport

PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y341

: A3

Special provisions (IATA)

Rail transport

No data available

14.7.Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IBC code : No IBC-code for bulk transport offshore (MARPOL).

SECTION 15: REGULATORY INFORMATION

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

National regulations

EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Full text of H- and EUH-statements:

H412	Harmful to aquatic life with long lasting effects.

The information in this safety data sheet is based on information from the manufacturer/supplier, present european and national legislation, and presupposes that the product is used within the specified area of application.