

SAFETY DATA SHEET



WeylClean® SKS-6 WB

Version 2.0
US / EN

Revision Date: 09/10/2018

SDS Number: 000000400893

Date of last issue: 02/01/2018

SECTION 1. IDENTIFICATION

Product name : WeylClean® SKS-6 WB

Substance name : A crystalline sodium disilicate with anionic polymer

Manufacturer or supplier's details

Company : WeylChem Performance Products GmbH
Industriepark Kalle-Albert
Kastelerstr. 45
65203 Wiesbaden
Germany

Telephone : 0611 962 5658
Prepared by : artur.kessler@weylchem.com

Emergency telephone number : +1 215 207 0061 (24 H)

Recommended use of the chemical and restrictions on use

Recommended use : Raw material for cleaning agents

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

Precautionary statements :

Prevention:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

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Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Substance name : A crystalline sodium disilicate with anionic polymer

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (% w/w)
disodium disilicate	13870-28-5		67 - 79

Disodium disilicate 13870-28-5: Specific concentration limit for mixture classification: 1- <10%
Eye Irrit 2 >= 10% Eye Dam 1

SECTION 4. FIRST AID MEASURES

General advice : Get medical attention.
If inhaled : If inhaled, remove to fresh air.
Get medical advice/ attention.
In case of skin contact :
IF ON SKIN:
Wash off with warm water.
In case of eye contact :
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed : Immediately give large quantities of water to drink.
Obtain medical attention.
Most important symptoms and effects, both acute and delayed : None known.
None known.
None known.
Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : water
Unsuitable extinguishing media : Dry powder
Carbon dioxide (CO2)
High volume water jet

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- Specific hazards during fire-fighting : Burning produces noxious and toxic fumes.
Carbon monoxide
Carbon dioxide (CO₂)
- Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Use water spray to cool unopened containers.
Do not disperse powdered product in air.
- Special protective equipment for firefighters : Self-contained breathing apparatus
Full protective suit
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Forms slippery/greasy layers with water.
Wear suitable protective equipment.
Avoid dust formation.
For personal protection see section 8.
For disposal considerations see section 13.
Sweep or vacuum spilled material. Place in a disposable container. Use care to avoid dust generation. Eliminate ignition sources. Wet material will become very slippery and form swollen granules.
- Environmental precautions : Prevent product from entering drains.
Do not contaminate water.
- Methods and materials for containment and cleaning up : Use mechanical handling equipment.
Flush with water.
-

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : No special measures necessary.
- Advice on safe handling :

Handle and open container with care.
Avoid dust formation.
Avoid dust accumulation in enclosed space.
- Conditions for safe storage : Keep only in the original container.
Keep container tightly closed.
- Technical measures/Precautions :

Store in a dry place.

Protect from moisture.
Protect against water.
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Materials to avoid : Keep away from food and drink.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Engineering measures : Use adequate exhaust ventilation and/or dust collection to keep dust levels below exposure limits.

Personal protective equipment

Respiratory protection : Effective dust mask

Hand protection
Remarks : Long-term exposure
 : Impervious butyl rubber gloves
 : Minimum thickness (glove): not determined

Remarks : Short-term exposure
 : Nitrile rubber
 : Minimum thickness (glove): not determined

Eye protection : Safety glasses
 : Tightly fitting safety goggles

Protective measures : Avoid contact with eyes.
 : Do not breathe dust.

Hygiene measures : Wash hands and face before breaks and immediately after handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : granular
Colour : off-white
Odour : almost odourless
pH : 11.4 (20 °C)
 : Concentration: 1 g/l
Melting point/range : not determined
Boiling point/boiling range : No data available
Flash point : Not applicable
Evaporation rate : Not applicable

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Self-ignition :
Upper explosion limit : Not applicable
Lower explosion limit : Not applicable
Vapour pressure : not determined
Relative vapour density : Not applicable
Relative density : Not applicable
Density : No data available
Bulk density : 540 kg/m³
Solubility(ies)
 Water solubility : > 400 g/l Information refers to the main component.
 Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : Not applicable
Ignition temperature : Not applicable
Decomposition temperature : No data available
Viscosity
 Viscosity, dynamic : Not applicable
 Viscosity, kinematic : Not applicable
Flow time : Not applicable
Explosive properties : Not applicable
Oxidizing properties : No data available
Impact sensitivity : Not impact sensitive.
Surface tension : Not applicable
Dust explosion class : The product is not liable to cause dust explosions.
Minimum ignition energy : Not applicable
Particle size : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : See section 10.3. "Possibility of hazardous reactions"

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Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : None known.

Incompatible materials : not known

Hazardous decomposition products : Carbon monoxide
Carbon dioxide (CO₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : LD50: 2,507 mg/kg
Method: OECD Test Guideline 401
Information refers to the main component.

Acute inhalation toxicity : LC50 (Rat, male and female): > 3,510 mg/m³
Exposure time: 4 h
Method: OECD Test Guideline 403
Information refers to the main component.

Acute dermal toxicity : No data available

Skin corrosion/irritation

Product:

Species: Rabbit
Assessment: No skin irritation
Method: OECD Test Guideline 404
Result: No skin irritation
Information refers to the main component.

Serious eye damage/eye irritation

Product:

Species: rabbit eye
Result: Severe irritation
Assessment: Risk of serious damage to eyes.
Method: OECD Test Guideline 405
Information refers to the main component.

Respiratory or skin sensitisation

Product:

not determined

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Carcinogenicity

Product:

No data available

Carcinogenicity - Assessment : No information available.

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : No information available.

No information available.

STOT - single exposure

Product:

No data available

STOT - repeated exposure

Product:

No data available

Repeated dose toxicity

Product:

not determined

Aspiration toxicity

Product:

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 500 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Information refers to the main component.

Toxicity to algae : NOEC (Desmodesmus subspicatus (green algae)): 18 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

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Information refers to the main component.

Toxicity to microorganisms : EC50 (activated sludge of a predominantly domestic sewage): 720 mg/l
End point: Bacteria toxicity (respiration inhibition)
Exposure time: 3 h
Method: OECD Test Guideline 209
Information refers to the main component.

Persistence and degradability

Product:

Biodegradability : No data available

Physico-chemical removability : Inorganic product, cannot be eliminated from the water by biological purification processes.

Bioaccumulative potential

Product:

Bioaccumulation : No data available

Partition coefficient: n-octanol/water : Not applicable

Mobility in soil

Product:

Distribution among environmental compartments : No data available

Other adverse effects

Product:

Environmental fate and pathways : No data available

Results of PBT and vPvB assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Additional ecological information : Ecological data given refer to the main component.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with the European Directives on waste and hazardous waste.

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Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

Contact manufacturer.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

National Regulations

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - In-

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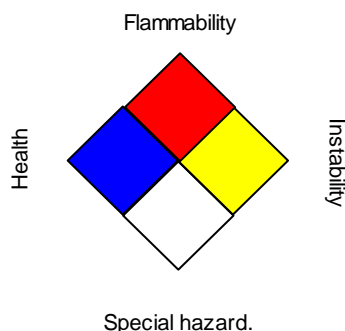
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ternational Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

NFPA:



HMIS® IV:

HEALTH		2
FLAMMABILITY		1
PHYSICAL HAZARD		

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Observe national and local legal requirements
None known.

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