

Layered silicate SKS-6 powder

Version 4.0

Revision Date 06/15/2015

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Layered silicate SKS-6 powder
 Product code : 000010065234

Manufacturer or supplier's details

Company : WeylChem Lamotte S.A.S
 Usine de Lamotte
 Rue du Flottage
 60350 Trosly-Breuil
 France

Telephone : +33 (0)3 44 85 40 00
 Prepared by : Product Stewardship Dpt.
 geraldine.primazot@weylchem.com

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

Recommended use of the chemical and restrictions on use

Recommended use : Detergent additive

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	solid
Colour	white
Odour	odourless
Hazard Summary	Risk of serious damage to eyes.

GHS Classification

Serious eye damage : Category 1

GHS-Labeling - Label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

Precautionary statements : **Prevention:**
 P280 Wear protective gloves/ eye protection/ face protection.
Response:
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/ physician.

Layered silicate SKS-6 powder

Version 4.0

Revision Date 06/15/2015

Print Date 06/15/2015

Potential Health Effects

Primary Routes of Entry : no

Inhalation : May cause irritation of respiratory tract.

Skin : Not expected to be irritating to skin.

Eyes : Causes serious eye irritation.

Ingestion : Not expected to be toxic.

Aggravated Medical Condition : None known.

Symptoms of Overexposure : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Substance name : crystalline sodium disilicate

CAS-No. : 13870-28-5

EC-No. : 237-623-4

Hazardous components

Chemical Name	CAS-No.	Concentration [%]
disodium disilicate	13870-28-5	

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.

Most important symptoms and effects, both acute and delayed : None known.
None known.

Layered silicate SKS-6 powder

Version 4.0

Revision Date 06/15/2015

Print Date 06/15/2015

None known.

Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray jet

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

Specific hazards during firefighting : None expected.

Burning produces noxious and toxic fumes.

Special protective equipment for firefighters : Self-contained breathing apparatus
Full protective suit**SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures : Avoid dust formation.
Wear suitable protective equipment.
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****Handling**Advice on safe handling : Handle and open container with care.
Avoid dust formation.
Avoid dust accumulation in enclosed space.Advice on protection against fire and explosion : No special measures necessary.
Dust explosion class : No data available**Storage**Requirements for storage areas and containers : Keep only in the original container.
Keep container tightly closed.

Further information on : Store in a dry place.

Layered silicate SKS-6 powder

Version 4.0

Revision Date 06/15/2015

Print Date 06/15/2015

storage conditions

Protect from moisture.
Protect against water.

Advice on common storage : Keep away from food and drink.

Other data : May be kept indefinitely if stored properly

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

not determined

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

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Particle-filtering half-mask according to DIN EN 149
Filter class FFP2Hand protection
Remarks

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

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

Eye protection

: 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 : solid

Colour : white

Odour : odourless

pH : 11.4, Concentration: 1 g/l (20 °C)

Melting point/range : > 500 °C

Layered silicate SKS-6 powder

Version 4.0

Revision Date 06/15/2015

Print Date 06/15/2015

Boiling point/boiling range	: Not applicable
Flash point	: Not applicable
Evaporation rate	: Not applicable
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: 2.43 (20 °C) Method: OECD Test Guideline 109
Density	: No data available
Bulk density	: 500 - 700 kg/m ³
Solubility(ies)	
Water solubility	: 700,000 mg/l (20 °C) Method: 92/69/EEC, A.6.
Solubility in other solvents	: not determined Solvent: fat
Partition coefficient: n-octanol/water	: Not applicable
Ignition temperature	: Not applicable
Thermal decomposition	: Not applicable
Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
Flow time	: Not applicable
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Impact sensitivity	: Not impact sensitive.
Surface tension	: 69.9 N/m, 1,000 N17.00000550, 20 °C, OECD Test Guideline 115

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: See section 10.3. "Possibility of hazardous reactions"
Chemical stability	: Stable under normal conditions.

Layered silicate SKS-6 powder

Version 4.0

Revision Date 06/15/2015

Print Date 06/15/2015

Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use. Risk of dust explosion. Stable Stable
Conditions to avoid	: Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible materials	: not known
Hazardous decomposition products	: No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute oral toxicity	: LD50 rat (male), male: 2,507 mg/kg Method: OECD Test Guideline 401 LD50 rat (female), female: 2,000 - 3,150 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	: LC50 Rat, male and female: > 3,510 mg/m ³ Exposure time: 4 h Method: OECD Test Guideline 403
Acute dermal toxicity	: Remarks: not determined

Skin corrosion/irritation**Product:**

Species: Rabbit
Result: No skin irritation
Classification: No skin irritation
Method: OECD Test Guideline 404

Serious eye damage/eye irritation**Product:**

Species: rabbit eye
Result: Severe irritation
Classification: Risk of serious damage to eyes.
Method: OECD Test Guideline 405

Respiratory or skin sensitisation**Product:**

Layered silicate SKS-6 powder

Version 4.0

Revision Date 06/15/2015

Print Date 06/15/2015

Test Method: Mouse local lymphnode assay

Species: Mouse

Result: negative

Method: OECD Test Guideline 429

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Type: In vitro mammalian cell gene mutation test
 Test species: V79 cells (embryonic lung fibroblasts) of the Chinese hamster
 Metabolic activation: with and without metabolic activation
 Result: negative
 Method: OECD Test Guideline 476

: Type: Chromosomal aberration
 Test species: V79 cells (embryonic lung fibroblasts) of the Chinese hamster
 Concentration: 156.3 - 312.5 ug
 Metabolic activation: with and without metabolic activation
 Result: negative
 Method: OECD Test Guideline 473

: Type: Ames test
 Test species: Salmonella typhimurium
 Concentration: 0 - 5000 ug/plate
 Metabolic activation: with and without metabolic activation
 Result: negative
 Method: OECD Test Guideline 471

Genotoxicity in vivo : Type: Chromosomal aberration
 Test species: Mouse (male)
 Method: OECD Test Guideline 475
 Result: negative

Germ cell mutagenicity-
 Assessment :

Animal testing did not show any mutagenic effects.

Carcinogenicity

Product:

Remarks: No data available

Carcinogenicity -
 Assessment :

No evidence of carcinogenicity in animal studies.

Layered silicate SKS-6 powder

Version 4.0

Revision Date 06/15/2015

Print Date 06/15/2015

Reproductive toxicity**Product:**

Reproductive toxicity - Assessment : No toxicity to reproduction

STOT - single exposure**Product:**

Remarks: No data available

STOT - repeated exposure**Product:**

Remarks: No data available

Repeated dose toxicity**Product:**Rat, male and female:
NOAEL: > 159 mg/kg
Application Route: Oral
Exposure time: 180 d**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
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 491 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae	: NOEC (Desmodesmus subspicatus (Scenedesmus subspicatus)): 18 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to bacteria	: EC50 (activated sludge): 720 mg/l

Layered silicate SKS-6 powder

Version 4.0

Revision Date 06/15/2015

Print Date 06/15/2015

End point: Toxicity to bacteria
Exposure time: 3 h
Method: OECD Test Guideline 209

Persistence and degradability**Product:**

Biodegradability : Remarks: Not applicable for inorganic compound.

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

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: Low potential for bioaccumulation (log Pow < 3).

Partition coefficient: n-
octanol/water : Remarks: Not applicable

Mobility in soil**Product:**

Distribution among
environmental compartments : Remarks: Not expected to adsorb on soil.

Other adverse effects**Product:**

Environmental fate and
pathways : Remarks: No data available

Results of PBT and vPvB
assessment : This substance is not considered to be persistent,
bioaccumulating and toxic (PBT)., This substance is not
considered to be very persistent and very bioaccumulating
(vPvB).

Additional ecological
information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

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

Layered silicate SKS-6 powder

Version 4.0

Revision Date 06/15/2015

Print Date 06/15/2015

SECTION 14. TRANSPORT INFORMATION

International Regulation

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

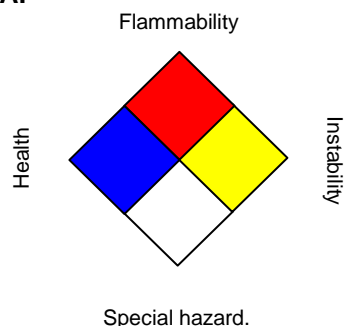
SECTION 15. REGULATORY INFORMATION

- 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.
- California Prop 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Observe national and local legal requirements

None known.

Layered silicate SKS-6 powder

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