

# SAFETY DATA SHEET



## WeylClean® SAS 93

Version 4.0  
Revision Date: 10/02/2018  
SDS Number: 000010027102  
Date of last issue: 05/23/2016  
US / EN

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### SECTION 1. IDENTIFICATION

Product name : WeylClean® SAS 93  
Substance name : Sulfonic acids, C10-C18-Alkane, Sodium salts (93% active)  
CAS 68037-49-0

#### 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 : Detergent

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity (Oral) : Category 4

Skin irritation : Category 2

Serious eye damage : Category 1

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear eye protection/ face protection.

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P280 Wear protective gloves.

**Response:**

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

P302 + P352 IF ON SKIN: Wash with plenty of soap and 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.

P310 Immediately call a POISON CENTER/doctor.

P330 Rinse mouth.

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

P362 Take off contaminated clothing and wash before reuse.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
Substance name : Sulfonic acids, C10-C18-Alkane, Sodium salts (93% active)  
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### SECTION 4. FIRST AID MEASURES

General advice : Remove/Take off immediately all contaminated clothing.  
If inhaled : If inhaled, remove to fresh air.  
Get medical advice/ attention.  
In case of skin contact : In case of contact, immediately flush skin with plenty of 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 : Get medical attention immediately.  
Most important symptoms and effects, both acute and delayed : None known.  
None known.  
Notes to physician : Treat symptomatically.

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### SECTION 5. FIREFIGHTING MEASURES

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- Suitable extinguishing media : Water spray jet  
Foam
- Unsuitable extinguishing media : Carbon dioxide (CO2)  
Dry powder  
High volume water jet
- Specific hazards during fire-fighting : In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide  
Carbon dioxide (CO2)
- Special protective equipment for firefighters : Self-contained breathing apparatus
- 

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Wearing appropriate personal protective equipment, contain spill, ventilate area of spill or leak, remove all sparking devices or ignition sources, carefully collect into suitable container.
- Environmental precautions : Do not let product enter drains.  
Do not contaminate water.  
Avoid release to the environment.
- Methods and materials for containment and cleaning up : Use mechanical handling equipment.  
  
Flush away traces with water.
- 

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
- Advice on safe handling : Handle and open container with care.  
Avoid dust accumulation in enclosed space.  
  
Minimize dust generation and accumulation.
- Conditions for safe storage : Keep only in the original container.  
Keep container tightly closed.
- Technical measures/Precautions : Store in a dry place.  
  
hygroscopic
- Materials to avoid : Keep away from food and drink.
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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

No level has been established by OSHA, NIOSH, ACGIH.

**Engineering measures**            :    Handle only in a place equipped with local exhaust (or other appropriate exhaust).

**Personal protective equipment**

## Hand protection

Break through time            :    > 481 min  
Glove thickness                :    >= 0.5 mm  
Remarks                        :    Long-term exposure  
    :    Nitrile rubber  
    :    Impervious gloves

Break through time            :    > 481 min  
Glove thickness                :    >= 0.5 mm  
Remarks                        :    Short-term exposure  
    :    Nitrile rubber  
    :    Impervious gloves

Eye protection                 :    Safety glasses

Skin and body protection      :    Protective suit

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

Hygiene measures              :    Wash hands before breaks and at the end of workday.  
    :    Use protective skin cream before handling the product.  
    :    Take off immediately all contaminated clothing and wash it before reuse.  
    :    Do not eat, drink or smoke when using this product.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance                    :    Pastilles  
Colour                          :    yellow  
Odour                            :    characteristic  
pH                                :    ca. 7 (20 °C)  
    :    Concentration: 10 g/l  
Melting point/range            :    > 350 °C  
    :    Method: DSC

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Boiling point/boiling range	:	> 360 °C Decomposition: no Method: DSC
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Self-ignition	:	
Upper explosion limit	:	Not applicable
Lower explosion limit	:	Not applicable
Vapour pressure	:	< 0.00001 hPa
Relative vapour density	:	Not applicable
Relative density	:	No data available
Density	:	0.62 g/cm <sup>3</sup>
Bulk density	:	ca. 600 kg/m <sup>3</sup>
Solubility(ies)		
Water solubility	:	320 g/l (25 °C)
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	log Pow: 0.2
Ignition temperature	:	Not applicable
Decomposition temperature	:	> 360 °C
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Flow time	:	Not applicable
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Surface tension	:	34 mN/m, 20 °C
Dust explosion class	:	No data available
Minimum ignition energy	:	No data available
Particle size	:	No data available

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### SECTION 10. STABILITY AND REACTIVITY

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

Chemical stability : Stable under normal conditions.

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

Conditions to avoid : None known.

Incompatible materials : not known

Hazardous decomposition products : Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Sodium oxides

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

no

#### Acute toxicity

##### Product:

Acute oral toxicity : LD50 (Rat, male and female): > 500 - 2,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : No data available

Acute dermal toxicity : LD50 (Mouse, female): > 2,000 mg/kg  
Method: Expert judgement  
GLP: no

#### Skin corrosion/irritation

##### Product:

Assessment: Irritating to skin.  
Result: irritating

#### Serious eye damage/eye irritation

##### Product:

Result: Risk of serious damage to eyes.  
Assessment: Risk of serious damage to eyes.  
Method: OECD Test Guideline 405  
The toxicological data has been taken from products of similar composition.

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### Respiratory or skin sensitisation

**Product:**

Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: negative  
GLP: no  
The toxicological data has been taken from products of similar composition.

### Germ cell mutagenicity

**Product:**

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

### Carcinogenicity

**Product:**

No data available  
Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

### Reproductive toxicity

**Product:**

Reproductive toxicity - Assessment : No toxicity to reproduction

### STOT - single exposure

**Product:**

No data available

### STOT - repeated exposure

**Product:**

No data available

### Repeated dose toxicity

**Product:**

Species: Rat  
NOAEL: 200 mg/kg  
Application Route: oral (feed)  
Method: Other  
GLP: no

Species: Mouse  
NOAEL: 500 mg/kg  
Method: Other

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GLP: no

### Aspiration toxicity

#### Product:

No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 1 - 10 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203  
GLP: no
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 9.81 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yes
- Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 61 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes
- Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.85 mg/l  
Exposure time: 28 d  
End point: Other  
Analytical monitoring: yes  
Method: OECD Test Guideline 204  
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.36 mg/l  
Exposure time: 22 d  
End point: Reproduction rate  
Test Type: semi-static test  
Method: OECD Test Guideline 202  
GLP: yes
- Toxicity to microorganisms : NOEC (Pseudomonas putida): 600 mg/l  
End point: Toxicity to bacteria  
Test Type: Growth inhibition  
Method: DIN 38412 T.8  
GLP: no
- Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): 470 mg/kg  
Exposure time: 56 d
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End point: Reproduction  
Method: OECD Test Guideline 222  
GLP: yes

### Persistence and degradability

#### Product:

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Biodegradation: 78 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
GLP: no  
Readily biodegradable, according to appropriate OECD test.

Inoculum: activated sludge  
Biodegradation: 89 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301E  
Readily biodegradable, according to appropriate OECD test.

Test Type: aerobic  
Inoculum: activated sludge  
Biodegradation: 96.2 %  
Exposure time: 34 d  
Method: OECD 303A  
Readily biodegradable, according to appropriate OECD test.

Chemical Oxygen Demand (COD) : 2,065 mg/g

Dissolved organic carbon (DOC) : 400 mg/g

Physico-chemical removability : No data available

### Bioaccumulative potential

#### Product:

Bioaccumulation : Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Partition coefficient: n-octanol/water : log Pow: 0.2

### Mobility in soil

#### Product:

Distribution among environmental compartments : Adsorption/Soil  
Koc: 50  
Method: OECD Test Guideline 106  
Not expected to adsorb on soil.

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### Other adverse effects

#### Product:

- Environmental fate and pathways : Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
- 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 : The product should not be allowed to enter drains, water courses or the soil.
- 

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

- Waste from residues : Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.
- Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.
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## 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

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## 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.
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### 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 - International 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

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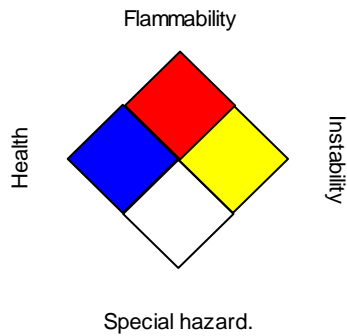
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### Further information

#### NFPA:



#### HMIS® IV:

HEALTH		3
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  
Avoid contact with skin and eyes.  
Wear suitable protective equipment.  
Wash thoroughly after handling.

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