SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product Identifier: Sodium Dodecylbenzenesulfonate

Product Code: NA-DBSAT-01

CAS Number: 25155-30-0

Relevant identified uses of the substance: Scientific research and development

Supplier details:

American Elements
10884 Weyburn Ave.
Los Angeles, CA 90024
Tel: +1 310-208-0551
Fax: +1 310-208-0351
Emergency telephone number: +1 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Acute toxicity, Oral (Category 4), H302
Skin irritation (Category 2), H315
Serious eye damage (Category 1), H318
Acute aquatic toxicity (Category 2), H401
For the full text of the H-Statements mentioned in this Section, see Section 16.
GHS Label elements, including precautionary statements

Pictogram

Signal word: Danger
Hazard statement(s)
H302
Harmful if swallowed.
H315
Causes skin irritation.
H318
Causes serious eye damage.
H401
Toxic to aquatic life.
Precautionary statement(s)
P264
Wash skin thoroughly after handling.
P270
Do not eat, drink or smoke when using this product.
P273
Avoid release to the environment.
P280
Wear protective gloves/ eye protection/ face protection.
P301 + P312 + P330
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
Rinse mouth.
P302 + P352
IF ON SKIN: Wash with plenty of soap and water.
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.
P332 + P313
If skin irritation occurs: Get medical advice/ attention.
P362
Take off contaminated clothing and wash before reuse.
P501
Dispose of contents/ container to an approved waste disposal plant.
Hazard not otherwise classified (HNOC) or not covered by GHS-none

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances
Synonyms: Dodecylbenzenesulfonic acid sodium salt
Formula: C18H29NaO3S
Molecular weight: 348.48 g/mol
CAS-No.: 25155-30-0
EC-No.: 246-680-4

SECTION 4. FIRST AID MEASURES

Description of first aid measures
General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.
Move out of dangerous area.
If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact
Wash off with soap and plenty of water. Consult a physician.
In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2)
and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

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SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

No data available

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing Vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

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SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Components with workplace control parameters
Contains no substances with occupational exposure limit values.
Hazardous components without workplace control parameters
Exposure controls
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment
Eye/face protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection
Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties
Appearance
Form: powder
Odor: No data available
Odor Threshold: No data available
pH: 7 - 10.5 at 1 g/l at 25 °C (77 °F)
Melting point/freezing point: No data available
Initial boiling point and boiling range: No data available
Flash point: No data available
Evaporation rate: No data available
Flammability (solid, gas): No data available
Upper/lower flammability or explosive limits: No data available
Vapor pressure: No data available
Vapor density: No data available
Relative density: 1 g/cm3 at 20 °C (68 °F)
Water solubility: 0.8 g/l at 25 °C (77 °F)-OECD Test Guideline 105-soluble
Partition coefficient: n-octanol/water: log Pow: 1.96 at 25 °C (77 °F)
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Explosive properties: No data available
Oxidizing properties: No data available
Other safety information
Surface tension: 29.3 - 31.8 mN/m at 25 °C (77 °F)

SECTION 10. STABILITY AND REACTIVITY

Reactivity
No data available
Chemical stability
Stable under recommended storage conditions.
Possibility of hazardous reactions
No data available
Conditions to avoid
No data available
Incompatible materials
Strong oxidizing agents
Hazardous decomposition products
Hazardous decomposition products formed under fire conditions.
-Carbon oxides, Sulphur oxides, Sodium oxides
Other decomposition products
-No data available
In the event of fire: see section 5

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity
LD50 Oral-Rat-male and female-500 -2,000 mg/kg
(OECD Test Guideline 401)
Inhalation: No data available
Dermal:
No data available
No data available
Skin corrosion/irritation
Skin-Rabbit
Result: Irritating to skin. -4 h
(OECD Test Guideline 404)
Remarks: Read-across (Analogy)
Serious eye damage/eye irritation
Eyes-Rabbit
Result: Risk of serious damage to eyes.
(OECD Test Guideline 405)
Remarks: Read-across (Analogy)
Respiratory or skin sensitisation
No data available
Germ cell mutagenicity: No data available
Carcinogenicity
IARC:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP:
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA:
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

Specific target organ toxicity -single exposure: No data available
Specific target organ toxicity -repeated exposure: No data available
Aspiration hazard: No data available

Additional Information
RTECS: DB6825000
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity to fish
LC50-Oncorhynchus mykiss (rainbow trout)-3.2 -5.6 mg/l-96 h
(OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates static test
EC50-Daphnia magna (Water flea)-6.3 mg/l-48 h
(OECD Test Guideline 202)
Persistence and degradability
Biodegradability aerobic-Exposure time 17 d
Result: > 75 %-Readily biodegradable
Bioaccumulative potential
Bioaccumulation
Leuciscus idus melanotus-3 d-48 µg/l
Bioconcentration factor (BCF): 130 (OECD Test Guideline 305)
Mobility in soil
No data available
Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.
Avoid release to the environment.
**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste treatment methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company.
Contact a licensed professional waste disposal service to dispose of this material.
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging
Dispose of as unused product.

**SECTION 14. TRANSPORT INFORMATION**

DOT (US)
UN number: 3077
Class: 9
Packing group: III
Proper shipping name: Environmentally hazardous substances, solid, n.o.s.
(Sodium dodecylbenzenesulfonate) Reportable Quantity (RQ): 1000 lbs
Poison Inhalation Hazard: No
IMDG
Not dangerous goods
IATA
Not dangerous goods

**SECTION 15. REGULATORY INFORMATION**

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312
Hazards
Acute Health Hazard
Massachusetts Right To Know Components
Sodium dodecylbenzenesulfonate
CAS-No. 25155-30-0
Revision Date: 1993-04-24
Pennsylvania Right To Know Components
Sodium dodecylbenzenesulfonate
CAS-No.25155-30-0
Revision Date: 1993-04-24
New Jersey Right To Know Components
Sodium dodecylbenzenesulfonate
CAS-No.: 25155-30-0
Revision Date: 1993-04-24
California Prop. 65
Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
This product does not contain any chemicals known to State of California to cause cancer, birth
defects, or any other reproductive harm.

16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2019 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.