

Sulfonion® LS43

(Linear Alkylbenzene Sulfonate, Sodium Salt 43%)

Lion Corporation (Thailand) Ltd.

Safety Data Sheet

Revision No.: 5 Issues date: 30/04/2024

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE OF MIXTURE AND OF THE SUPPLIER

Product identifier used on the label :

Product name	Sulfonion® LS43
Recommended use	Shake well before use

Detail of the supplier :

Company name	Lion Corporation (Thailand) Ltd.
Address	Head Office: 666 Rama 3 Rd., Bangpongpan, Yannawa, Bangkok 10120 Thailand Factory: 602 Moo 11 Sukhapiban 8 Rd., Nongkham, Sriracha, Chonburi 20230 Thailand
Telephone	+66 (2)294 0191 ext. 283
Fax	Not available
Website	www.lion.co.th
Email	Info_cb@lion.co.th
Emergency telephone number :	+66(2) 294-1783

SECTION 2 - HAZARDS IDENTIFICATION

GHS classification of the substance / mixture

Acute oral toxicity	Category 5
Skin corrosion / irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (Single Exposure)	Category 3
Acute aquatic hazard	Category 2

Pictogram



WARNING

Signal Word :

Hazard statements :

H303	May be harmful if swallowed
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation; or
H336	May cause drowsiness or dizziness
H401	Toxic to aquatic life

Precautionary statements prevention :

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly with water and soap after handling.
P271	Use only outdoors or in a well – ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements response :

P312	Call a POISON CENTER/doctor/physician if you feel
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment
P332+P313	IF SKIN irritation occurs: Get medical advice/attention.



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P337+P313
P362

IF EYE irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.

Precautionary statements storage :

P403+P233
P405

Store in a well – ventilated place. Keep container tightly closed.
Store locked up.

Precautionary statements disposal :

P501

Dispose of contents/container to hazardous waste collection point.

SECTION 3 - COMPOSITION AND INGREDIENTS

<u>CAS No.</u>	<u>Concentration %</u>	<u>Components</u>
7732-18-5	≤ 58 %	Water
25155-30-0 / 68081-81-2	41-45 %	Dodecyl benzene Sulfonic Acid, Sodium Salt / Linear Alkyl benzene Sulfonate, Sodium Salt

SECTION 4 - FIRST AID MEASURES

Description of first aid measures:

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
Inhalation	Move victim to fresh air. If not breathing, give artificial respiration and consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

Most important symptoms:

Acute effects	Causes skin irritation and serious eye irritation. May cause respiratory irritation; or May cause drowsiness or dizziness
Delayed effects	No data available

Indication of any immediate medical attention and special treatment needed :

Treat symptomatically

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media :

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substrate or mixture:

Combustion produces carbon dioxide, carbon monoxide and oxides of Sulfur.
When heated to decomposition, toxic fumes of SO₂ and SO₃ are emitted.

Special protective equipment and precautions for fire-fighters:

Wear self-contained breathing apparatus for firefighting.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures :

Use personal protective equipment.
Ensure adequate ventilation.
Avoid contact with skin, eyes and clothing.

Environmental precautions :

Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up :

Remove all ignition sources. Contain released product, pump into suitable containers. Clean contaminated surfaces with an excess of water. Carefully collect the spill. Wash clothing and equipment after handling

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SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling :

Keep away from naked sources of ignition or heat
Wear personal protective equipment.
Ensure adequate ventilation.
Do not get in eyes, on skin or on clothing.
Avoid inhalation.

Conditions for safe storage, including any incompatibilities :

Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Control parameters :

No data available

Appropriate engineering controls :

Use ventilation, local exhaust

Personal protection :



Eye and face protection
Skin protection
Respiratory protection

Wear appropriate protective eyeglasses or chemical safety goggles
Long sleeved clothing.
None required, when adequate ventilation is available.
If airborne concentration is high, use a mask or respirator.

Body Protection

Chemical suit

Work / Hygienic Practices :

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties :

Appearance and Color :

White – Slightly yellow viscous liquid

Odour :

Product specific

Odour threshold :

No data available

pH (1% Sol.) :

8.0 - 12.0

Melting point / freezing point (°C) :

No data available

Initial boiling point and boiling range (°C) :

99.0

Flash point (°C) :

74.0

Pour point (°C) :

+6

Evaporation rate :

No data available

Flammability :

No data available

Lower explosion limit (%) :

None

Upper explosive limit (%) :

None

Vapour pressure (kPa) :

No data available

Vapour density (Air = 1) :

No data available

Relative density (Water = 1) :

No data available

Solubility (g/l) :

Readily soluble

Partition coefficient: noctanol/water log Pow :

No data available

Auto ignition temperature :

No data available

Decomposition temperature :

No data available

Viscosity (at 30 °C) :

No data available

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SECTION 10 - STABILITY AND REACTIVITY

Reactivity :	The product is non-reactive under normal conditions
Chemical stability :	Stable under recommended storage conditions.
Possibility of hazardous reactions :	Will not occur
Conditions to avoid :	Extremes of temperature, high humidity and direct sunlight.
Incompatible materials :	Acids, Alkalines, Caustics, Halogens, Reactive chemicals
Hazardous decomposition products :	Sulfur dioxide, Sulfur trioxide

SECTION 11 - TOXICOLOGICAL INFORMATION

Classification of Physical Hazards :

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Classification of Health Hazards :

Acute oral toxicity	May be harmful if swallowed.
Information on product	Rat, LD50 : 4651 mg/kg (Calculate from data on similar product)
Information on ingredients	Dodecylbenzenesulfonic Acid, Sodium Salt / Linear Alkyl benzene Sulfonate, Sodium Salt : Category 5
Acute dermal toxicity	Classification not possible.
Acute inhalation toxicity	Classification not possible.
Skin corrosion / irritation	Causes skin irritation.
Information on product	Estimate from data on similar product
Information on ingredients	Dodecylbenzenesulfonic Acid, Sodium Salt / Linear Alkyl benzene Sulfonate, Sodium Salt : Category 2
Serious eye damage/eye irritation	Causes serious eye irritation.
Information on product	Estimate from data on similar product
Information on ingredients	Dodecylbenzenesulfonic Acid, Sodium Salt / Linear Alkyl benzene Sulfonate, Sodium Salt : Category 2A
Respiratory or skin sensitization	Classification not possible.
Germ cell mutagenicity	Classification not possible.
Carcinogenicity	Classification not possible.
Reproductive toxicity	Classification not possible.
Specific target organ toxicity - single exposure	May cause respiratory irritation; or May cause drowsiness or dizziness
Information on product	Estimate from data on similar product
Information on ingredients	Dodecylbenzenesulfonic Acid, Sodium Salt / Linear Alkyl benzene Sulfonate, Sodium Salt : Category 3
Specific target organ toxicity -repeated exposure	Classification not possible.
Aspiration hazard	Classification not possible.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity :

Acute aquatic hazard	Toxic to aquatic life
Information on product	The Blue Algae (Microcystis), LC50 : 2.09 mg/l, 96 Hr. (Calculate from data on similar product)
Information on ingredients	Dodecylbenzenesulfonic Acid, Sodium Salt / Linear Alkyl benzene Sulfonate, Sodium Salt : Category 2
Long-term aquatic hazard	Classification not possible.
Biodegradability :	87% (28 d, OECD 301D : 1992 : CLOSED BOTTLESTEST)
Persistence and degradability :	No data available.
Bioaccumulative potential :	No data available.



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Mobility in soil : No data available.
Other adverse effects : No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods : Dispose in accordance with all applicable regulations.
Contaminated packaging : Dispose of product in the bin.

SECTION 14 - TRANSPORT INFORMATION

Finished packaged product transported by ground (DOT) : Non hazardous
Finished packaged product transported by vessel (IMDG) : Non hazardous
Finished packaged product transported by air (IATA) : Non hazardous

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture :

Dodecylbenzenesulfonic Acid, Sodium Salt (25155-30-0) / is found on the Hazardous chemicals inventory
Linear Alkyl benzene Sulfonate, Sodium Salt (68081-81-2) following regulatory lists

National Inventory

National Inventory	Status
Australia - AICS	Y
Canada - DSL	Y
Canada - NDSL	N
China - IECSC	Y
Europe – EINEC / ELINCS / NLP	Y
Japan - ENCS	Y
Korea - KECI	Y
New Zealand - NZIoC	Y
Philippines - PICCS	Y
USA - TSCA	Y

Legend : Y = All ingredients are on the inventory, N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing (see specific ingredients in brackets)

Chemical Safety Assessment : For this product a chemical safety assessment was not carried out.

SECTION 16 - OTHER INFORMATION

This information is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

References:

- **Environmental Protection Authority: HSNO Chemical Classification Information Database (CCID)**

<https://www.epa.govt.nz/database-search/chemical-classification-and-information-database-ccid/>

- **Nite National Institute of Technology and Evaluation**

https://www.nite.go.jp/chem/english/ghs/ghs_nite_all_fy_e.html

- **Safe Work Australia : Hazardous Chemical Information System (HCIS)**

<https://hcis.safeworkaustralia.gov.au/HazardousChemical>

- **Haz-Map : Information on Hazardous Chemicals and Occupational Diseases**

<https://haz-map.com/>