



## MERCHEM LIMITED

### SAFETY DATA SHEET

MERSTAB MSB  
MSDS No. 40/20.03.2015

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

##### 1.1 Product Identifier

Product Name Merstab MSB  
Synonym Sodium Alpha Olefin sulfonate in water

##### 1.2 Use of the Substance/Mixture

Identified uses Mechanical Stability Builder

##### 1.3 Manufacturer or supplier's details

Company/Undertaking identification address Merchem Limited  
Grove Centre,  
44- Development Plot,  
Kalamassery,  
Cochin – 683 109, Kerala, India  
Telephone + 91-484-4089300  
Telefax + 91-484-4089310

##### 1.4 Emergency Telephone Number

Emergency Telephone Number + 91-484-4089300

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

Classification according to EU directives 67/548/EEC or 1999/45/EC

No risk phrases.

EC Number: Nil

Annex 1 Index Number: Nil

REGULATION (EC) No. 1272/2008

Classification of the substance or mixture Skin corrosion/irritation: cat 2

##### 2.2 Label elements

Product Name: Merstab MSB

Hazard pictograms :



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**Signal Word**      Warning

**Hazard Statements**      H315 - causes skin irritation

**Precautionary Statements - Prevention**      P264 - Wash hands thoroughly after handling..  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**      P302 + P352 - IF ON SKIN: wash with plenty of soap and water  
P332 + P313 - IF SKIN irritation occurs: Get medical advice/attention

**Precautionary Statements - storage**      P402+P404 - Store in a dry place. Store in a closed container

**Precautionary Statements - Disposal**      P501 - Dispose of contents/ container to an approved waste disposal plant.

**2.3Other hazards**      : None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1Substances

Substance is a mixture

#### 3.2Mixtures

**Chemical description**      : Sodium Alpha Olefin sulfonate in water

#### Composition/Information on ingredients

Chemical Name	CAS No.	EC No.	Annex-1 Index No.	Weight %
Sodium Alpha Olefin sulfonate	68439-57-6	--	--	36 (approx)
Water	7732-18-5	--	--	64(approx)

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first-aid measures

**General Advice**      If symptoms persist, call a physician. Show this material safety data sheet to the doctor in attendance. Treat symptomatically. In case of allergic reaction after exposure, any future exposure must be avoided.

**Inhalation**      : Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Skin contact**      : In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.



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- Eyes contact** : Rinse immediately as long as a possible with plenty of water. Seek medical advice if irritation persist
- Ingestion** : If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended..

#### **4.2 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

#### **4.3 Indication of immediate medical attention and special treatment needed**

Skin contact may aggravate existing skin disease. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

### SECTION 5: FIRE FIGHTING MEASURES

#### **5.1 Extinguishing media**

**Suitable extinguishing media:** (small fires): dry chemical, carbon dioxide, Recommended  
(large fire): alcohol foam, universal foam, water spray,

**Extinguishing media which must not be used for safety reasons:** High volume water jet

#### **Specific hazards arising from the substance or mixture**

Carbon oxides(COx), Sulphur oxides (Ox)

#### **5.2 Protective Equipment and Precautions for Firefighters**

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. For personal protection see section 8.

#### **6.2 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

#### **6.3 Methods and materials for containment and cleaning up**

Absorb with an inert absorbent. Sweep up and place in an appropriate closed container (see Section 7: Handling and Storage). Clean up residual material by washing area with water. Collect washings for disposal

#### **6.4 Reference to other sections**

For disposal see section 7,8 &13.



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## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

- Avoid breathing vapors and mists.
- Avoid direct or prolonged contact with skin and eyes.

### 7.2 Conditions for safe storage, including any incompatibilities

- SHIP AND STORE BETWEEN 21 - 50 C (70 - 122 F)
- Store in tightly closed containers.
- Store in an area that is dry, well-ventilated, away from incompatible materials Strong acids  
Strong oxidizing agents .
- Expected shelf life if stored at recommended temperatures: 12 months

### 7.3 Specific end uses

- A part from the uses mentioned in section 1.2 it can be used as a surfactant

## SECTION 8: EXPOSURE CONTROL/PERSONNEL PROTECTION

### 8.1 Control parameters

#### Occupational exposure limit values

No exposure limits were found for this product or any of its ingredients.

### 8.2 Exposure controls

#### Engineering Controls: practice.

Handle in accordance with good industrial hygiene and safety

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 :

suitable

Skin contact should be minimized through use of gloves and long-sleeved clothing. 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

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



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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance Form	:	Liquid
b) colour	:	Pale yellow
c) Odour	:	Characteristic
d) pH	:	8.0-9.0
e) Melting point/range	:	NA
f) Boiling point /boiling range	:	100 C (212 F) at 760 mmHg
g) Flash point	:	No data available
h) Explosive propertive	:	No data available
i) Flammability (solid, gas)	:	No data available
j) Explosion Limits	:	No data available
k) Vapour pressure	:	< 23 mmHg at 25 C (77 F)
l) Specific gravity	:	1.04 at 25 C (77 F).
m) Bulk density	:	NA
n) solubility	:	Soluble in water
o) Partition coefficient	:	No data available
p) Auto-ignitiontemperature	:	No data available
q) Viscosity @25°C	:	00 to 500 cps at 25 C (77 F).
r) Oxidizing properties	:	No data available

### 9.2 Other information

No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

- No data available

### 10.2 Chemical Stability

- Stable under recommended storage and handling conditions (See section 7)

### 10.3 Possibility of hazardous reactions

- No data available

### 10.4 Conditions to Avoid

- Heat, Open flame

### 10.5 Incompatible materials to avoid

- Strong Oxidising agents& strong Acids

### 10.6 Hazardous Decomposition Products

- Thermal decomposition :Oxides of Sulphur and Oxides of Carbon,



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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute oral toxicity</b> (LD50/oral/rat)	: 3800 mg/kg, rat.
<b>Acute dermal toxicity</b> (LD50/dermal/rabbit)	: LD50 - lethal dose 50% of test species, 6300 mg/kg,
<b>Inhalation</b>	: No data available
<b>Skin irritation/sensitization</b>	: skin irritation, rabbit. Moderately irritating. Not sensitizing
<b>Eye irritation</b>	: Eye irritation, rabbit. Irritating.
<b>Mutagenic Effects</b>	: Not mutagenic
<b>Reproductive toxicity</b>	: None detected.
<b>Carcinogenic effects</b>	: No data available
<b>Chronic Toxicity</b>	: This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

**Ecotoxicity** : No data Available

**Fish** : No data available

**Algae** : No data available

### 12.2 Mobility in soil

No data available

### 12.3 Persistence and degradability

No data available.

### 12.4 Bioaccumulative Potential

No data available.

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 Other adverse effects

May cause long term adverse effects to aquatic life

### 12.7 Other information

Do not allow product to reach ground water, water course or sewage system.



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#### SECTION 13: DISPOSAL CONSIDERATIONS

##### 13.1 Waste Disposal Method

###### **Product**

Avoid discharge into the environment.

Disposal should be in accordance with local, state regulations

###### **Contaminated Packing**

- Dispose off in accordance with local regulations

#### SECTION 14: TRANSPORT INFORMATION

##### 14.1 Road transport (ADR/RID/ADN)

<b>ADR/RID Class</b>	Not regulated
<b>UN-No</b>	Nil
<b>Packing Group</b>	Nil
<b>Proper Shipping Name</b>	Not dangerous goods

##### 14.2 Sea transport (IMDG)

<b>Class</b>	Not regulated
<b>UN-No</b>	Nil
<b>Packing Group</b>	Nil
<b>Marine pollutant</b>	No
<b>Proper Shipping Name</b>	Not dangerous goods

##### 14.3 Air transport (ICAO-TI/IATA)

<b>Class</b>	Not regulated
<b>UN-No</b>	Nil
<b>Packing Group</b>	Nil
<b>Proper Shipping Name</b>	Not dangerous goods

##### 14.4 Other information

No data available

##### 14.5 Environmental hazards

Not hazardous substance

##### 14.6 Special precautions for user

No data available

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

Not relevant





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#### SECTION 15: REGULATORY INFORMATION

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

Regulation 1907/2006 REGULATION (EC) No 1272/2008

Classification according to EU directives 67/548/EEC or 1999/45/EC

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

#### SECTION 16: OTHER INFORMATION

Issue No. 2

Issue date : 20.03.2015

Revision No. 0

Reason for revision Reviewed & revamped based on the guide lines of  
Regulation (EC) No 1907/2006

**List of relevant R(isk)-phrase(s)**

None

**List of relevant S(afety)-phrase(s)**

S 36/37 Wear suitable protective clothing and gloves

S60 This material and/its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

**Classification of dangerous substance directive (67/548/EEC)**

None

**Training advice**

Provide adequate information, instruction and training to operators.

**Further information for the material safety data sheet**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

**End of Material Safety Data Sheet**