



MERCHEM LIMITED

SAFETY DATA SHEET

MERNOX SP(E)
MSDS No. 31/20.03.2015

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

1.1 Product Identifier

Product Name Mernox SP Emulsion
Synonym Styrenated phenol emulsified in water

1.2 Use of the Substance/Mixture

Identified uses Antioxidant – non-staining emulsion used in Latex compounding

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

N
R51/53

EC Number: 262-975-0
Annex 1 Index Number: Nil

REGULATION (EC) No. 1272/2008

Classification of the substance or mixture Hazardous to the aquatic environment, long-term hazard:Cat 4

2.2 Label elements

Product Name: Mernox SP Emulsion

Hazard pictograms





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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

No data available

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the substance or mixture

5.3

Carbon oxides(COx), nitrogen oxides (NOx)

5.4 Protective Equipment and Precautions for Firefighters

Wear self contained breathing apparatus for fire fighting if necessary

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

- Use appropriate containment to avoid environmental contamination.
- Transfer to a container for disposal or recovery.

6.4 Reference to other sections

- See section 7, 8 and 13



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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

- Store in mild steel drums / poly-carboys .
- Keep away from oxidising agents, acids, alkalis, moisture, heat and direct sunlight

7.3 Specific end uses

A part from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROL/PERSONNEL PROTECTION

8.1 Control parameters

Occupational exposure limit values

No occupational exposure limit assigned.

8.2 Exposure controls

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 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 products enter drains. Discharge into the environment must be avoided.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.3 Information on basic physical and chemical properties

a) Appearance Form	:	Liquid Emulsion
b) colour	:	Milky white
c) Odour	:	Characteristic aromatic
d) pH	:	8.0-9.0
e) Melting point/range	:	Not Applicable
f) Boiling point /boiling range	:	No data available
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	:	No data available
l) Specific gravity	:	~1.0
n) solubility	:	Insoluble in water
p) Auto-ignition temperature	:	No data available
q) Oxidizing properties	:	:No data available

9.2 Other information

No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

- See Incompatible Materials

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

- Keep away from heat, sparks and flame.. Avoid contact with strong oxidants and mineral acids.

10.5 Incompatible materials to avoid

- Oxidising agents, Acids

10.6 Hazardous Decomposition Products

- Styrene, Carbon monoxide, Carbon dioxide, and phenol.



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity (LD50/oral/rat)	: 3550 mg/kg
Acute dermal toxicity (LD50/dermal/rabbit)	: 7940 mg/Kg
Eye irritation	: Irritating to eyes
Skin irritation/Sensitization	: Slightly irritating to skin and no sensitisation effects
Inhalation	: Limited possibility of over-exposure Combustion or thermal decomposition will evolve very toxic and irritant vapours.
Mutagenic Effects	: No data available
Reproductive toxicity	: No data available
Carcinogenic effects	: No data available
Target Organ Effects	: May cause respiratory irritation
Human experience	: No data available.

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.
- This material and its container must be disposed of as hazardous waste. Disposal should be in accordance with local, state or national legislation

Contaminated Packing

- Dispose off in accordance with local regulations

SECTION 14: TRANSPORT INFORMATION

14.1 Road transport (ADR/RID/ADN)

ADR/RID Class	9
UN-No	3082
Packing Group	III
"Hazard label"	Hazardous for the environment
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.

14.2 Sea transport (IMDG)

ADR/RID Class	9
UN-No	3082
Packing Group	III
Marine pollutant	Yes
"Hazard label"	Hazardous for the environment
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.



14.3 Air transport (ICAO-TI/IATA)

ADR/RID Class	9
UN-No	3082
Packing Group	III
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.

14.4 Other information

No data available

14.5 Environmental hazards

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

14.6 Special precautions for user

No data available



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

Not relevant

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)

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment.

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

S 24 Avoid contact with skin.
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)

N Dangerous for the environment

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