



Material Safety Data Sheet

Zydex Industries

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1. Product and Company

Product Name : **EMULSIFIER-5**

Product Use : Textile Industry

Company : Zydex Industries
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2. Composition information on ingredients

Chemical nature: EMULSIFIER
(organic surface active agent)

3. Possible hazards

Emergency Overview

CAUTION: KEEP OUT OF REACH OF CHILDREN

Cause eye irritation

Avoid direct contact with eye, skin and clothing

PRIMARY ROUTES OF EXPOSURE: Inhalation, Skin contact, Ingestion

Potential health effects

Inhalation: Inhalation of airborne droplets may cause irritation of the respiratory tract
 Ingestion: May be harmful if swallowed
 Eyes : May cause eye/skin irritation
 Skin : Experience shows no unusual dermatitis hazard from routine Handling

Potential environmental effects

Aquatic toxicity:

There is a high probability that the product is not harmful to aquatic organisms

Terrestrial toxicity:

With high probability not harmful to terrestrial organisms

4. First aid measures

General advice	First aid providers should wear personal protective equipment to prevent exposure. Remove contaminated clothing. Move person to fresh air. If person is not breathing, call ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.
If inhaled	Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary
If on skin contact	Wash thoroughly with soap and plenty of water. If skin irritation persists seek medical attention
If contact with eyes	Wash affected eyes for at least 15 minutes under running water with eyelids held open, Consult an eye specialist.
If on ingestion	Rinse mouth and then drink plenty of water. When symptoms persist or in all cases of doubt seek medical advice.

5. Fire fighting measures

Suitable extinguishing media	Water spray, dry extinguishing media, foam, Carbon dioxide. Non – Flammable and hence no fire hazard
Hazards during fire-fighting at unusual conditions	May emit Carbon dioxide (CO ₂), Carbon monoxide (CO), oxides of nitrogen (NOX), other hazardous materials and smoke are all possible under fire conditions
Protective equipment for fire-fighting at unusual conditions	Firefighters should be equipped with self-contained breathing apparatus and turn-out gear
Further information (in case of at unusual conditions)	In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately; do not allow reaching sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations

6. Accidental release measures:

Personal precautions	No special measures necessary
Environmental precautions	The product should not be allowed to enter drains, water courses or the soil. Should not be released into the environment
Methods for cleaning up	Contain with absorbent material and dispose. Clean with water

7. Handling and storage

Handling	Ensure thorough ventilation of stores and work areas
Protection against fire & explosion	No special measures necessary
Storage	Keep containers dry and tightly closed to avoid contamination. Store in a dry and cool place

8. Exposure controls and personal protection

Respiratory protection	No personal respiratory protective equipment normally required
Hand protection	Protective gloves
Eye protection	Protective Goggles
Skin and body protection	Long sleeved clothing
Additional Protective measures	Safety shoes
General safety and hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday
Engineering measures	Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery

9. Physical and chemical properties

Form	Liquid
Appearance	Clear Liquid
Solid Content	32 ± 2%
Odour	N/A
Flash point	> 100°C
Ignition temperature	N/A
Explosion hazard	No Explosion Hazard
Vapour Pressure	N/A
Solubility in water	Soluble in water
pH value	N/A
Viscosity	N/A

10. Stability and reactivity

Conditions to avoid	Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.
Substances to avoid	Strong acid and oxidizing agents
Hazardous reactions	No hazardous reactions when stored and handled according to instructions
Decomposition products	No hazardous decomposition products known

11. Toxicological information —▶ NON-TOXICAL

At normal condition the product is non-toxic

12. Ecological information

General Notes: Do not allow material to be released to the environment without proper governmental permits.

13. Disposal consideration

Product	Must be dumped or incinerated in accordance with local regulations
Contaminated Packaging	Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance to local regulations

14. Transport Information :

The product do not constitute a hazardous substance in national/international road, rail, sea and air transport

DOT regulations Hazard class	Not regulated
Land transport ADR/RID (Cross-border) ADR/RID Class	Not regulated
Maritime transport IMDG, IMDG Class	Not regulated
Air transport ICAO-TI and IATA-DGR , ICAO/IATA Class	Not regulated
Transport/Additional information	Not dangerous according to the above specifications.

15. Regulations

Product related hazard information:

- ✓ Hazard symbols: Non-Hazardous
- ✓ Risk phrases: Irritating to eyes, respiratory system and skin.

Safety phrases:

- ✓ In case of contact with eyes, rinse immediately with plenty of water & seek medical advice.
- ✓ Wear suitable protective clothing.

Information about limitation of use:

- ✓ For use only by technically qualified individuals

16. Other Information

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 given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS: Product safety department