



1. PRODUCTION DESCRIPTION



- Product Name:** Oil Spill Dispersant
- Application of the substance:** Oil Spill Dispersant
- Manufacturer/Supplier:** Aste Global Pte Ltd

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2. HAZARDS IDENTIFICATION

Primary Routes(s) Of Entry Eye Contact, Skin Contact, Inhalation and ingestion.

Eye Hazards

Severe burns with the possibility of impairment of vision.

Skin Hazards: Severe burns.

Ingestion Hazards

May cause transient gastrointestinal irritation.

Inhalation Hazards

Vapor is irritating to the lungs.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The product is a blend of the following components.

The shelf life of this product is 3 years from its manufacture date.

CONSTITUENT ELEMENTS	PERCENTAGE
FATTY ALCOHOL VINYL ETHER POLYMER	25%
ANIONIC ACTIVE AGENT	15%
NONIONIC ACTIVE AGENT	10%
COMPLEXING AGENT	2%
ZINC OXIDE	1%
WATER	allowance



4. FIRST AID MEASURES

In case of contact or suspicion of contact, prompt attention is absolutely necessary.

Eye: In case of contact with eyes, immediately flush with cool water for 15-30 minutes. Get medical attention immediately.

Skin: In case of contact with skin, immediately flush with large quantities of cool water while removing contaminated clothing and shoes until all acid is removed, paying particular attention to skin under nails. Get medical attention immediately. Wash clothing before reuse.

Ingestion: If swallowed, avoid causing vomiting. Give immediately, large quantities of water, milk, milk of magnesia or eggs beaten with water. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, immediately carry patient to fresh air and administer oxygen as soon as possible. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention immediately.

Other: **"KEEP OUT OF REACH OF CHILDREN."**

5. FIRE AND EXPLOSION

FlashPoint: None °F (Liquid is non-flammable).

Auto-ignitionPoint: NE °F NE °C

FlammabilityClass: Non-flammable

Extinguishing Media

CarbonDioxide, dry chemical, foam or water,
ClassA, BC or ABC fire extinguishers.

Special Fire Fighting Procedures

Pressure demand self-contained respiratory equipment. There is a latent fire or explosion hazard when in contact with metals due to generation of hydrogen gas. Wear full protective clothing with mask with ammonia vapor canister.

**Unusual Explosion Hazard**

Pressure may develop in closed containers if temperatures over 150 °F are achieved. Water may be used to cool adjacent containers.

6. ACCIDENTAL RELEASE MEASURES**Respiratory Protection (Specific Type)**

Use NIOSH approved respiratory equipment. For emergencies use a self-contained breathing apparatus.

Ventilation	Industrial Exhaust
Protection Gloves	Rubber gloves
Eye Protection	Chemical safety goggles and full face shield.
Other Protective Clothing/Equipment	Rubber boots, apron, gauntlets, and/or rubber acid suit.

Environmental Precautions:

DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

In Case Material Released/ Spilled:**Steps to be taken in Case Material is Released or Spilled**

Small quantities may be flushed with copious quantities of water; in case of larger spills, contain liquid.

Waste Disposal Method

Dispose of in accordance with all federal, state and local regulations after neutralizing.

Precautions to Be Taken In Handling and Storing

Prevent all contact with eyes or skin. Avoid breathing irritating vapors. Storage between 40°F and 80°F are recommended. Store only in approved containers. (Avoid glass and most metals).



7. HANDLING AND STORAGE

Handling Precautions: Keep out of reach of children.
Do not inhale.
Avoid contact with skin and eyes.
Do not taste or swallow.
Wash thoroughly after handling.

Storage Precautions: Keep containers tightly closed.

Work Hygienic Practices: Wash thoroughly after handling.
Avoid any kind of skin or eye contact.

8. REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: None known.
Incompatible Materials: None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Brown
Odor:	Solvent
Melting Point:	Not determined
Boiling Point:	Not determined
Flash Point:	Not determined
Chemical Type:	Mixture
Inflammability:	Non inflammable
pH Value:	Not applicable
Solubility:	Complete



10. STABILITY AND REACTIVITY

Stability:

Stable

Hazardous Polymerization:

None

Incompatible Materials:

Avoid strong oxidizing and reducing agents.

Avoid contact with strong acids.

No Data Available

TOXICOLOGICAL

No Data Available

INFORMATION:

ECOLOGICAL

No Data Available

INFORMATION:

11. TOXICOLOGICAL INFORMATION

No Data Available

12. ECOLOGICAL INFORMATION

No Data Available

13. DISPOSAL CONSIDERATIONS

Disposal must be made according to official regulations.

Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning.

14. TRANSPORT INFORMATION

It is not classified as dangerous material for transportation according to ADR/RID, IMDG, US DOT & ICAO/IATA codes.

15. REGULATORY INFORMATION

Code letter and hazard designation of product: Xi Irritant



**R 36 Irritating to eyes
R 37 Irritating to respiratory system
R 38 Irritating to skin**

Risk phrases:

- 22** - Harmful if swallowed
- 34** - Causes burns
- 35** - Causes severe burns
- 36** - irritant to eyes.
- 37** - irritant to respiratory system
- 38** - irritant to skin
- 67** - Vapors may cause drowsiness and dizziness

Safety phrases:

- 1 / 2** – Keep locked up and out of reach of children
- 7** - Keep container tightly closed
- 13** – Keep away from food, drink and animal foodstuffs
- 24 / 25** – Avoid any inhalation, contact with skin and eyesWear suitable protective clothing and gloves.
- 26** – Avoid contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 28** - After contact with skin, wash immediately with plenty of water
- 36 / 37 / 39** - Wear suitable protective clothing, gloves and eye/face protection
- 46** - If swallowed, seek medical advice immediately and show this container or label.

16 OTHER INFORMATION

Relevant R-phrases

- 41 - Risk of serious damage to eyes.
- 42 - May cause sensitization by inhalation.