

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name : **Accepta 4440**
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Product Use : Processing aid for industrial applications.

2. HAZARDS IDENTIFICATION

Hazard Identification

Spills produce extremely slippery surfaces.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Identification : Cationic water-soluble polymer in emulsion.

Regulated Components

The wording of the hazard symbols and Risk phrases is specified in section 16 if dangerous ingredients are mentioned.

4. FIRST AID MEASURES

Inhalation : No hazards which require special first aid measures.

Skin contact : Wash off immediately with soap and plenty of water. In case of persistent skin irritation, consult a physician.

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.

Ingestion : The product is not considered toxic based on studies on laboratory animals.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water. Water spray. Foam. Carbon dioxide (CO₂). Dry powder.

Precautions : Spills produce extremely slippery surfaces.

Special protective equipment for firefighters : No special protective equipment required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : No special precautions required.

Environmental precautions : As with all chemical products, do not flush into surface water.

Methods for cleaning up : Do not flush with water . Dam up. Soak up with inert absorbent material. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Keep in suitable, closed containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling

Safe handling advice : Avoid contact with skin and eyes. When preparing the working solution ensure that there is adequate ventilation. When using do not smoke.

Storage

Keep in a dry cool place (0 - 30 °C). Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection : Rubber gloves.

Eye protection : Safety glasses with side-shields. Do not wear contact lenses where this product is used.

Skin and body protection : Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

Hygiene measures

Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Viscous liquid

Color : Milky

Odor : Aliphatic

pH : 3-7 @ 5 g/1

Melting point/range : Not applicable

Flash point : Does not flash

Autoignition temperature (°C) : Does not ignite

Approx. bulk density : 1.04 **Bulk**

viscosity (cps) : 3000 **Water**

solubility : See Technical Bulletin

10. STABILITY AND REACTIVITY

Stability : Stable. Hazardous polymerisation does not occur.

Materials to avoid : Oxidizing agents may cause exothermic reactions.

Hazardous decomposition products : Thermal decomposition may produce. Hydrogen chloride gas. Nitrogen oxides (NO_x). Carbon oxides (CO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral : LD50/oral/rat > 5000 mg/kg.

Skin : The results of testing on rabbits showed this material to be non-toxic even at high dose levels.

Inhalation : The product is not expected to be toxic by inhalation.

Irritation Irritation

Skin : May cause skin irritation with susceptible persons.

Eyes : May cause eye irritation with susceptible persons.

Sensitization

Chronic toxicity

A two-year feeding study on rats did not reveal adverse health effects. A one-year feeding study on dogs did not reveal adverse health effects. Prolonged skin contact may defat the skin and produce dermatitis.

Regulated Components

Acute toxicity

Irritation

Sensitization

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Toxicity to fish :

LC50/96 hours > 10-100 mg/l. (OECD 203). (Based on the toxicity of the components using the Conventional Method.).

Toxicity to daphnia :

EC(I)50/Daphnia m./48 hours > 50 mg/l. (OECD 202). (Based on the toxicity of the components using the Conventional Method).

Toxicity to algae : Algal inhibition tests are not appropriate. The flocculation characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test.

Environmental fate

Hydrolysis : At natural pHs (>6) the polymer degrades due to hydrolysis to more than 70% in 28 days. The hydrolysis products are not harmful to aquatic organisms.

Other ecological information :

The effects of this product on aquatic organisms are rapidly and significantly mitigated by the presence of dissolved organic carbon in the aquatic environment.

Regulated Components

Aquatic toxicity

Environmental fate

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products : In accordance with local, state and federal regulations.

Contaminated packaging : Rinse empty containers with water and use the rinse-water to prepare the working solution. Can be landfilled or incinerated, when in compliance with local regulations.

14. TRANSPORT INFORMATION

ADR/RID

Not classified as dangerous in the meaning of ADR/RID regulations.

IMDG/IMO

Not classified as dangerous in the meaning of IMO/IMDG transport regulations.

ICAO/IATA

Not classified as dangerous in the meaning of ICAO/IATA transport regulations.

15. REGULATORY INFORMATION

Classification and Labelling

This product is not classified as dangerous and need not to be labelled according to EC-Directives as amended.

International Inventories

European Union (REACH) :

All components of this product have been registered or pre-registered with the European Chemicals Agency or are exempt from registration.

USA (TSCA): All components of this product are either listed on the inventory or are exempt from listing.

Canada (NDSL) : All components listed on inventory

Canada (DSL) : All components of this product are either listed on the inventory or are exempt from listing.

Australia (AICS) : All components of this product are either listed on the inventory or are exempt from listing.

Japan (ENCS) : All components of this product are either listed on the inventory or are exempt from listing.

China (IECSC) : All components of this product are either listed on the inventory or are exempt from listing.

Korea (ECL) : All components of this product are either listed on the inventory or are exempt from listing.

Philippines (PICCS) : All components of this product are either listed on the inventory or are exempt from listing.

16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 3:

Xn - Harmful

Xi - Irritant

R66 - Repeated exposure may cause skin dryness or cracking.

R65 - Harmful: may cause lung damage if swallowed.

R41 - Risk of serious damage to eyes.

R36 - Irritating to eyes.

R22 - Harmful if swallowed.

This MSDS was prepared in accordance with the following:

Directive 1999/45/EC

Directive 67/548/EEC

Regulation (EC) N° 1272/2008

Regulation (EC) N° 1907/2006

as amended.

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 a 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.
