Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name : **Accepta 4439**

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Product Use : Process aid for industrial applications.

2. HAZARDS IDENTIFICATION

Hazard Identification
Spills produce extremely slippery surfaces.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Identification : Cationic polymer in dispersion.

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 with water and soap as a precaution. 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, eyes and clothing. When preparing the working solution ensure that there is adequate ventilation. Do not breathe vapours or spray mist. 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 spashing 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 : Liquid

Color : White

Odor : Slight

pH : 3-5

Melting point/range : Not applicable

Flash point : Does not flash

Autoignition temperature : Does not ignite

Approx. bulk density : 1.2

Water solubility : Completely miscible

10. STABILITY AND REACTIVITY

Stability : Stable. Hazardous polymerisation does not occur.

Materials to avoid : Oxidizing agents may cause exothermic reactions.

Hazardous decomposition products : No decomposition if stored and applied as directed. Burning of the dried material can produce: hydrogen chloride gas, nitrogen oxides (NOx), carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral : Based on studies on similar products, this material is not expected to be toxic.

Skin : Based on studies on similar products, this material is not expected to be toxic.

Inhalation : By analogy with similar products, this product is not expected to be toxic.

Irritation

Skin : By analogy with similar products, this product is not expected to be irritating.

Eyes : By analogy with similar products, this product is not expected to be irritating.

Sensitisation : By analogy with similar products, this product is not expected to be sensitizing.

Chronic toxicity : By analogy with similar products, this product is not expected to demonstrate chronic toxic effects.

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Toxicity to fish : LC50/Danio rerio/96 hours > 10-100 mg/1 (OECD 203). (Based on results obtained from tests on analogous products.).

Toxicity to daphnia : EC50/Daphnia magna/48 hours > 50 mg/1 (OECD 202). (Based on results obtained from tests on analogous products.).

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 harmfull to aquatic organisms.

Bioaccumulation : Does not bioaccumulate.

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.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products : In accordance with local and national 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

Remarks : Not classified as dangerous in the meaning of 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 (EINECS/ELINCS) : Existing polymer according to the definition in the 7th Amendment to Directive 67/548/EEC. All starting materials and additives are listed in EINECS.

USA (TSCA) : Complies with all applicable rules and orders under TSCA.

16. OTHER INFORMATION

Further information

Full text of hazard symbols and Risk-phrases if mentioned as hazardous components in chapter 2 :

This MSDS was prepared in accordance with the following :

Council Directive 92/32/EEC of 30 April 1992 amending for the seventh time Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances and all subsequent adaptations to technical progress.

Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

Commission Directive 2001/58/EC of 27 July 2001 amending for the second time Directive 91/155/EEC defining and laying down the detailed arrangements for the system of specific information relating to dangerous preparations in implementation of Article 14 of European Parliament and Council Directive 1999/45/EC and relating to dangerous substances in implementation of Article 27 of Council Directive 67/548/EEC (Safety Data Sheets).

ISO 11014-1: Material Safety Data Sheet for Chemical Products.

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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