

**MATERIAL SAFETY DATA SHEET**

PRODUCT

**Accepta 8416**

EMERGENCY TELEPHONE NUMBER(S)

See section 16, for Emergency Telephone Numbers.

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME : **Accepta 8416**

COMPANY IDENTIFICATION : ACCEPTA LTD  
Statham House, Talbot Road  
Manchester M32 0FP

EMERGENCY TELEPHONE NUMBER(S) : See section 16, for Emergency Telephone Numbers.

Date issued : 14.07.2008  
Version Number : 1.4

COMPANY CONTACT TELEPHONE NUMBERS.  
**0161 877 2334**

For Product Safety information please contact, e-mail [info@accepta.com](mailto:info@accepta.com)

**2. HAZARDS IDENTIFICATION**

HAZARD CLASSIFICATION :

This product is not classified as dangerous in accordance with Directives 67/548/EEC or 1999/45/EC.

HUMAN HEALTH HAZARDS - ACUTE :

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### INHALATION :

Not a likely route of exposure. No adverse effects expected.

### SKIN CONTACT :

May cause irritation with prolonged contact.

### EYE CONTACT :

May cause irritation with prolonged contact.

### INGESTION :

Not a likely route of exposure. No adverse effects expected.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is not classified as dangerous in accordance with Directives 67/548/EEC or 1999/45/EC.

## 4. FIRST AID MEASURES

### INHALATION :

Remove to fresh air, treat symptomatically. If symptoms develop, seek medical advice.

### SKIN CONTACT :

Flush affected area with water. If symptoms develop, seek medical advice.

### EYE CONTACT :

Flush affected area with water. Get medical attention.

### INGESTION :

Do not induce vomiting without medical advice. If conscious, washout mouth and give water to drink. If symptoms develop, seek medical advice.

### NOTE TO PHYSICIAN :

Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

## 5. FIRE FIGHTING MEASURES

FLASH POINT : Not applicable

### EXTINGUISHING MEDIA :

This product would not be expected to burn unless all the water is boiled away. The remaining organics may be ignitable. Use extinguishing media appropriate for surrounding fire.

### FIRE AND EXPLOSION HAZARD :

Not flammable or combustible.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING :

In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.

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### 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS :

Do not touch spilled material. Restrict access to area as appropriate until clean-up operations are complete. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Stop or reduce any leaks if it is safe to do so. Ventilate spill area if possible.

#### METHODS FOR CLEANING UP :

SMALL SPILLS: Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area. LARGE SPILLS: Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Clean contaminated surfaces with water or aqueous cleaning agents. Contact an approved waste hauler for disposal of contaminated recovered material. Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations).

#### ENVIRONMENTAL PRECAUTIONS :

Do not contaminate surface water.

### 7. HANDLING AND STORAGE

#### HANDLING :

Avoid eye and skin contact. Do not take internally. Ensure all containers are labeled. Keep the containers closed when not in use.

#### STORAGE CONDITIONS :

Protect product from freezing. Store the containers tightly closed.

#### SUITABLE CONSTRUCTION MATERIAL :

HDPE (high density polyethylene), Stainless Steel 304, Compatibility with Plastic Materials can vary; we therefore recommend that compatibility is tested prior to use.

For specific dosages and customized applications please contact your representative.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### OCCUPATIONAL EXPOSURE LIMITS

This product does not contain any substance that has an established exposure limit.

#### ENGINEERING MEASURES :

General ventilation is recommended.

#### PERSONAL PROTECTION

#### GENERAL ADVICE :

The use and choice of personal protection equipment is related to the hazard of the product, the workplace and the way the product is handled. In general, we recommend as a minimum precaution that safety glasses with side-shields and workclothes protecting arms, legs and body be used. In addition any person visiting an area where this product is handled should at least wear safety glasses with side-shields. The applicable European standard can be found in EN 166.

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### RESPIRATORY PROTECTION :

At ambient temperature none needed for vapour. If product is heated or if aerosol generation is likely, the use of a half face filter mask is recommended. The applicable European standard can be found in EN 140, EN 137, EN 143 and EN 14387.

### HAND PROTECTION :

When handling this product, the use of chemical gloves is recommended. The choice of work glove depends on work conditions and what chemicals are handled, but we have positive experience under light handling conditions using gloves made from PVC. Gloves should be replaced immediately if signs of degradation are observed. Breakthrough time not determined as preparation, consult PPE manufacturers. The applicable European standard can be found in EN 374.

### SKIN PROTECTION :

See general advice. The applicable European standard can be found in EN ISO 20345.

### EYE PROTECTION :

When handling this product, the use of safety glasses with side shields is recommended. The applicable European standard can be found in EN 166.

### HYGIENE RECOMMENDATIONS :

Use good work and personal hygiene practices to avoid exposure. Consider the provision in the work area of a safety shower and eyewash. Always wash thoroughly after handling chemicals. When handling this product never eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPEARANCE	Colorless
ODOR	Mild
FLASH POINT :	Not applicable
SPECIFIC GRAVITY	0.989
SOLUBILITY IN WATER	Complete
pH (100 %)	6.5 - 7
FREEZING POINT	-1.7 °C
BOILING POINT	100 °C Minimum
VAPOR PRESSURE	Same as water
EVAPORATION RATE	Same as water

Note: These physical properties are typical values for this product and are subject to change.

## 10. STABILITY AND REACTIVITY

### STABILITY :

Stable under normal conditions.

### HAZARDOUS POLYMERIZATION :

Hazardous polymerization will not occur.

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CONDITIONS TO AVOID :

Freezing temperatures.

MATERIALS TO AVOID :

Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS :

Under fire conditions: Oxides of carbon, Oxides of nitrogen, HCl, ammonia

## 11. TOXICOLOGICAL INFORMATION

No toxicity studies have been conducted on this product.

SENSITIZATION :

This product is not expected to be a sensitizer.

CARCINOGENICITY :

None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).

For additional information on the hazard of the preparation, please consult section 2 and 12.

## 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL EFFECTS :

The following results are for the product.

MOBILITY :

The environmental fate was estimated using a level III fugacity model embedded in the EPI (estimation program interface) Suite TM, provided by the US EPA. The model assumes a steady state condition between the total input and output. The level III model does not require equilibrium between the defined media. The information provided is intended to give the user a general estimate of the environmental fate of this product under the defined conditions of the models.

If released into the environment this material is expected to distribute to the air, water and soil/sediment in the approximate respective percentages;

Air	Water	Soil/Sediment
<5%	30 - 50%	50 - 70%

The portion in water is expected to be soluble or dispersible.

PERSISTENCY AND DEGRADATION :

Greater than 95% of this product consists of inorganic substances for which a biodegradation value is not applicable.

BIOACCUMULATION POTENTIAL

This preparation or material is not expected to bioaccumulate.

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## 13. DISPOSAL CONSIDERATIONS

If this preparation becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code. Use only authorized contractors. Ensure compliance with EC, national and local regulations.

Dispose of wastes in an approved incinerator or waste treatment/disposal site, in accordance with all applicable regulations. Do not dispose of wastes in local sewer or with normal garbage. This product is ashless and can be burned directly in appropriate equipment. Any chemical waste is a potential environmental pollutant and is NOT suitable for disposal via ground, municipal sewers, drains, natural streams or rivers.

Empty drums should be taken for recycling, recovery, or disposal through a suitably qualified or licensed contractor.

### EUROPE WASTE CODE :

16 03 04 - OFF SPECIFICATION BATCHES AND UNUSED PRODUCTS - Inorganic wastes other than those mentioned in 16 03 03. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code.

### NATIONAL REGULATIONS POLAND :

Waste Code: Regulations of 27 September 2001, Waste catalogue, J. of Laws No. 112, item 1206

Do not dispose into a local sewage system or with normal household waste. Do not dispose into municipal drains, sewers, soil, natural streams or rivers. The waste product should be disposed of at an authorised incineration plant or a waste treatment/disposal plant in line with the existing regulations (Act of 27 April 2001 on Waste, consolidated text annexed to the J. of Laws No. 39, item 251 of 2007). The product incineration produces ash. The product may be incinerated directly using suitable equipment.

Reclamation, recycling and disposal of packaging waste should comply with the existing regulations (Act of 11 May 2001 on Packaging and Packaging Waste, J. of Laws No. 63, item 638, as amended).

Use the services of appropriately authorised businesses.

## 14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper Shipping Name / Hazard Class may vary by packaging, properties, and mode of transportation. Typical Proper Shipping Names for this product are as follows.

### LAND TRANSPORT

Proper Shipping Name :

PRODUCT IS NOT REGULATED DURING TRANSPORTATION

### AIR TRANSPORT (ICAO/IATA)

Proper Shipping Name :

PRODUCT IS NOT REGULATED DURING TRANSPORTATION

### MARINE TRANSPORT (IMDG/IMO)

Proper Shipping Name :

PRODUCT IS NOT REGULATED DURING TRANSPORTATION

## 15. REGULATORY INFORMATION

CLASSIFICATION AND LABELLING :

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This preparation is not regulated, however, we recommend the following safety precautions:

### SAFETY PHRASES

S24/25 - Avoid contact with skin and eyes.

S37/39 - Wear suitable gloves and eye/face protection.

### NATIONAL REGULATIONS GERMANY

WGK 1 (Annex 4)

### NATIONAL REGULATIONS HUNGARY

Relevant and applicable Hungarian legislation on protection of human health and the environment: Decree 44/2000. (XII.27.) EüM (Minister of Health Affairs) and its amendments: Decree 33/2004. (IV.26.) ESzCsM (Minister of Health, Social and Family Affairs) and Decree 26/2007. (VI.7.) EüM (1907/2006/EK - REACH) on detailed rules of certain procedures and activities related to dangerous substances and preparations.

Joint Ministerial Decree: 25/2000. (IX.30.) EüM-ESzCsM on chemical safety at work.

### NATIONAL REGULATIONS POLAND

Act of 11 January 2001 on Chemical Substances and Preparations (J. of Laws No. 11, item 84, J. of Laws No. 100, item 1085, J. of Laws No. 123, item 1350 and J. of Laws No. 125, item 1367 and of 2002 J. of Laws No. 135, item 1145 and No. 142, item 1187; of 2003 J. of Laws No. 189, item 1852; of 2004 J. of Laws No. 96, item 959 and J. of Laws No. 121, item 1263; of 2005 J. of Laws No. 179, item 1485; of 2006 J. of Laws No. 171, item 1225)

Regulation of the Minister of Health of 28 September 2005 on the List of Hazardous Substances with Classification and Labelling (J. of Laws, No. 201, item 1674)

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Corrigendum, OJ L 136 of 29.5.2007)

Regulation of the Minister of Health of 3 July 2002 on Material Safety Data Sheets (J. of Laws No. 140, item 1171; of 2005 J. of Laws No. 2, item 8)

Regulation of the Minister of Health of 2 September 2003 on Criteria and Methods for Classification of Chemical Substances and Preparations (J. of Laws No. 171, item 1666; of 2004 J. of Laws No. 243, item 2440; of 2007 J. of Laws No. 174, item 1222)

Regulation of the Minister of Health of 2 September 2003 on Package Labelling of Hazardous Substances and Hazardous Preparations (J. of Laws No. 173, item 1679; of 2004 J. of Laws No. 260, item 2595)

Regulation of the Minister of Labour and Social Policy of 29 November 2002 on Workplace Concentration and Exposure Limits Applicable to Health Hazards (J. of Laws No. 217, item. 1833; of 2005 J. of Laws No. 212, item 1769; of 2007 J. of Laws No. 161, item 1142)

Regulation of the Minister Health of 20 April 2005 on Tests and Measurements of Workplace Health Hazards (J. of Laws No. 73, item. 645)

Regulation of the Minister of Economy of 21 December 2005 on Fundamental Requirements for Personal Protection Equipment (J. of Laws No. 259, item 2173)

Regulation of the Minister of Labour and Social Policy of 26 September 1997 on General Health and Safety Provisions (consolidated text of 2003 J. of Laws No. 169, item 1650; of 2007 J. of Laws No. 49, item 330)

Regulation of the Minister of Health of 30 December 2004 on Health and Safety Related to Exposure to Chemical Factors at Workplace (J. of Laws No. 11, item 86 of 2005)

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### INTERNATIONAL CHEMICAL CONTROL LAWS EUROPE

The substance(s) in this preparation are included in or exempted from the EINECS or ELINCS inventories

Accepta is committed to and fully supports the Registration, Evaluation, Authorization and restriction of CHemicals (REACH) regulation. It is our intention to pre-register all chemical substances that we manufacture or import into European Union and to work with our suppliers to ensure a smooth transition to this new regulatory environment. Should you require any further information on Accepta's REACH programme please contact us at [info@accepta.com](mailto:info@accepta.com) or visit our website.

### UNITED STATES :

The substances in this preparation are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710)

### JAPAN

All substances in this product comply with the Law Regulating the Manufacture and Importation Of Chemical Substances and are listed on the Ministry of International Trade & industry List (MITI).

## 16. OTHER INFORMATION

This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to insure safe workplace operations. Please consult your local sales representative for any further information.

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Prepared By : SHE Department  
Date issued : 14.07.2008  
Version Number : 1.4

Numbers quoted in the MSDS are given in the format: 1,000,000 = 1 million and 1,000 = 1 thousand. 0.1 = 1 tenth and 0.001 = 1 thousandth

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