

MATERIAL SAFETY DATA SHEET

PRODUCT

ACCEPTA 2047

EMERGENCY TELEPHONE NUMBER(S)

See section 16, for Emergency Telephone Numbers.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : **ACCEPTA 2047**

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

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

Date issued : 20/11/2008

COMPANY CONTACT TELEPHONE NUMBERS. +44 (0) 161 877 2334

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 :

May cause irritation of mucous membranes.

SKIN CONTACT :

Can cause mild irritation.

EYE CONTACT :

Can cause mild irritation.

INGESTION :

May cause mucosal damage. If swallowed a jelly mass may form which in digestion may cause blockage.

PHYSICAL AND CHEMICAL HAZARDS :

Spills of this product are very slippery.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Hazardous Substance(s)	EINECS / ELINCS NO	CAS NO	SYMBOL	R-PHRASES / NOTAS	% (w/w)
Hydrotreated Light Distillate	265-149-8	64742-47-8	Xn	R65	10 - 30
Alcohols, C12-15, ethoxylated	Polymer	Polymer	Xn, N	R22, R41, R50	1 - 5

Refer to Section 16 for descriptions of relevant risk phrases and Notas.

4. FIRST AID MEASURES

INHALATION :

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

SKIN CONTACT :

Remove contaminated clothing. Wash off affected area immediately with soap and plenty of water. If skin irritation persists, obtain medical attention.

EYE CONTACT :

Immediately flush eye with water for at least 15 minutes while holding eyelids open. Get medical attention.

INGESTION :

Do not induce vomiting without medical advice. Seek medical advice immediately, showing the label and/or SDS.

NOTE TO PHYSICIAN :

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

If swallowed a jelly mass may form which in digestion may cause blockage.

5. FIRE FIGHTING MEASURES

FLASH POINT : > 100 °C

EXTINGUISHING MEDIA :

Dry powder, Carbon dioxide, Foam, Water

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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.

UNSUITABLE EXTINGUISHING MEDIA :

Do not use water unless flooding amounts are available.

FIRE AND EXPLOSION HAZARD :

May evolve oxides of carbon (COx) under fire conditions. May evolve oxides of nitrogen (NOx) under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING :

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

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS :

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. Notify appropriate government, occupational health and safety and environmental authorities.

METHODS FOR CLEANING UP :

Soak up as thoroughly as possible with inert absorbent material or sawdust, as the addition of water causes slippery floor conditions. Contain and absorb with sand or vermiculite and mix well. Collect up and remove to a safe place until disposal. Wash site of spillage thoroughly with water. Assistance can be obtained from waste disposal companies.

ENVIRONMENTAL PRECAUTIONS :

Do not contaminate surface water.

Prevent material from entering sewers or waterways. If drains, streams, soil or sewers become contaminated, notify local authority.

7. HANDLING AND STORAGE

HANDLING :

Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Do not breathe vapors/gases/dust. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Ensure all containers are labeled. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection).

STORAGE CONDITIONS :

Protect product from freezing. Store in suitable labeled containers. Store the containers tightly closed.

SUITABLE CONSTRUCTION MATERIAL :

Teflon, Viton, Stainless Steel 304, Stainless Steel 316L, Surface-modified HDPE (high density polyethylene), Kalrez, PTFE, Compatibility with Plastic Materials can vary; we therefore recommend that compatibility is tested prior to use.

UNSUITABLE CONSTRUCTION MATERIAL :

HDPE (high density polyethylene), Natural rubber, Polypropylene

For specific dosages and customized applications please contact your representative.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

Exposure guidelines have not been established for this product. Available exposure limits for the substance(s) are shown below.

Country/Source	Substance(s)	Category:	ppm	mg/m3
__BELGIUM	Oil Mist (Mineral)	TWA		5
		STEL		10
DENMARK	Oil Mist (Mineral)	TWA		1
FINLAND	Oil Mist (Mineral)	TWA		5
IRELAND	Oil Mist (Mineral)	TWA		5
		STEL		10
ITALY	Oil Mist (Mineral)	TWA		5
		STEL		10
NETHERLANDS	Oil Mist (Mineral)	MAC		5
NORWAY	Oil Mist (Mineral)	TWA		1
SPAIN	Oil Mist (Mineral)	VLA-ED		5
		VLA-EC		10
SWEDEN	Oil Mist (Mineral)	NGV		1
		KTV		3
POLAND	Oil Mist (Mineral)	TWA		5
		STEL		10
HUNGARY	Oil Mist (Mineral)	MK		5
CZECH REPUBLIC	Oil Mist (Mineral)	TWA		5
		NPK-P		10
CROATIA	Oil Mist (Mineral)	TWA		5
		STEL		10
ROMANIA	Oil Mist (Mineral)	TWA		5
		STEL		10
SLOVAKIA	Oil Mist (Mineral)	TWA		5

* A skin notation refers to the potential significant contribution to overall exposure by the cutaneous route, including mucous membranes and the eyes.

ENGINEERING MEASURES :

Use general ventilation with local exhaust ventilation.

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 :

Where concentrations in air may exceed the limits given in this section, the use of a half face filter mask or air supplied breathing apparatus is recommended. A suitable filter material depends on the amount and type of chemicals being handled. Consider the use of filter type: A-B-E-K-P The applicable European standard can be found in EN 140, EN 137, EN 143 and EN 14387. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

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 Rubber gloves 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 :

Wear standard protective clothing. The applicable European standard can be found in EN ISO 20345. A full slicker suit is recommended if gross exposure is possible.

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	Emulsion
APPEARANCE	Off-white
ODOR	Neutral
FLASH POINT :	> 100 °C
SPECIFIC GRAVITY	1.03
SOLUBILITY IN WATER	Emulsifiable
pH (10 g/l)	7 - 8
VISCOSITY	300 - 1,700 cps (20 °C)
FREEZING POINT	-15 °C
BOILING POINT	> 100 °C

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

10. STABILITY AND REACTIVITY

STABILITY :

Stable under normal conditions.

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HAZARDOUS POLYMERIZATION :

Hazardous polymerization will not occur.

CONDITIONS TO AVOID :

Freezing temperatures. Extremes of temperature

MATERIALS TO AVOID :

Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors. Addition of water results in gelling.

HAZARDOUS DECOMPOSITION PRODUCTS :

Under fire conditions: Oxides of carbon, Oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

The following results are for the product.

ACUTE ORAL TOXICITY :

Species	LD50	Test Descriptor
Rat	> 5,000 mg/kg	Product

PRIMARY SKIN IRRITATION :

Draize Score	Test Descriptor
1.3 / 8.0	Product

PRIMARY EYE IRRITATION :

Draize Score	Test Descriptor
26.5 / 110.0	

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 tests for (representative polymers) were performed in environmentally relevant water with dissolved organic carbon (DOC: 4.5 mg/l). The effects on the aquatic organisms are due to external (non-systemic) mode of action, e.g., suffocation or immobilization. In the presence of suspended material, e.g., DOC, the polymers are bound to suspended material and the bioavailability is substantially reduced. As a result, the effects are expected to be lower.

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ACUTE FISH RESULTS :

Species	Exposure	LC50	NOEC	Method	Test Descriptor
Zebra Danio	96 hrs	> 100 mg/l			Representative polymer tested in water with DOC

ACUTE INVERTEBRATE RESULTS :

Species	Exposure	LC50	EC50	Method	Test Descriptor
Daphnia magna	48 hrs	> 100 mg/l			Representative polymer tested in water with DOC

AQUATIC PLANT RESULTS :

Species	Exposure	EC50/LC50	Method	Test Descriptor
Marine Algae (Skeletonema costatum)	72 hrs	925 mg/l		1% Aqueous Solution of Product

ADDITIONAL ECOLOGICAL DATA:

NOEC on earthworm: > 1000 mg/l (representative polymer) AOX information: Product contains no organic halogens. Discharge in minor quantity into adapted biological units of sewage treatment plants is not expected to affect the efficiency of the activated sludge process.

MOBILITY :

The product is eliminated via abiotic process (adsorption on activated sludge) to a large amount from the aqueous phase.

PERSISTENCY AND DEGRADATION :

Chemical Oxygen Demand (COD) : 930,000 mg/l

Biological Oxygen Demand (BOD) : Biological degradation: Approx 60-70% (DIN EN 29888)

The product may be degraded via abiotic processes.

BIOACCUMULATION POTENTIAL

Elimination from the aqueous phase via precipitation or flocculation is possible. No bioaccumulation will occur. The large size of the polymer is incompatible with transport across the cellular membranes.

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 will generate an ash if burned. It 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.

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EUROPE WASTE CODE :

16 03 05*- OFF SPECIFICATION BATCHES AND UNUSED PRODUCTS - Organic wastes containing dangerous substances. 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 AUSTRIA :

Waste Code :57304

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 :

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 DENMARK

MAL CODE Yes

FIRE CLASS Non-regulated.

ORGANIC SOLVENTS/VOCS Yes

SUSPECT CARCINOGENS No

NATIONAL REGULATIONS GERMANY

WGK 2 (Annex 4)

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NATIONAL REGULATIONS HOLLAND

ABM RESULT

ABM RESULT	Substance(s)	% (w/w)
9 B		

INTERNATIONAL CHEMICAL CONTROL LAWS

EUROPE

The substances in this preparation have been reviewed for compliance with 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 reach@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)

CANADA :

The substances in this preparation are listed on the Domestic Substances List (DSL), are exempt, or have been reported in accordance with the New Substances Notification Regulations.

16. OTHER INFORMATION

LIST OF RELEVANT R-PHRASES AND NOTAS IN SECTION 3

R22 - Harmful if swallowed.

R36/38 - Irritating to eyes and skin.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 - Harmful: may cause lung damage if swallowed.

- REVISED INFORMATION: section(s):

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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