



SAFETY DATA SHEET

PRODUCT

ACCEPTA 2061

EMERGENCY TELEPHONE NUMBER(S)

See section 16, for Emergency Telephone Numbers.

1.

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME : ACCEPTA 2061

APPLICATION : OXYGEN SCAVENGER

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

TELEPHONE: 0161 877 2334
FAX 0870 135 6389

EMERGENCY TELEPHONE NUMBER(S) : 0161 877 2334

Date issued : 27.08.2010
Version Number : 1.6

2.

HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION :

This product is not classified as dangerous in accordance with Directives 67/548/EEC or 1999/45/EC. Any disclosed substance(s) are present below hazardous concentration levels for the product classification.

HUMAN HEALTH HAZARDS - ACUTE :



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INHALATION :

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. May cause mucosal damage.

PHYSICAL AND CHEMICAL HAZARDS :

Combustible.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is not classified as dangerous in accordance with Directives 67/548/EEC or 1999/45/EC. Any disclosed substance(s) are present below hazardous concentration levels for the product classification.

Hazardous Substance(s)	EINECS / ELINCS NO	CAS NO	SYMBOL	R-PHRASES / NOTAS	% (w/w)
Diethyl-Hydroxyl-Amine	223-055-4	3710-84-7	F-, Xn, Xi	R10, R20/21, R36/37/38	5 - 10

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 :

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

EYE CONTACT :

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

INGESTION :

Get medical attention. Do not induce vomiting without medical advice. If conscious, washout mouth and give water to drink. If reflexive vomiting occurs, rinse mouth and repeat administration of water.

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 : 70 °C

EXTINGUISHING MEDIA :

Foam, Carbon dioxide, Other extinguishing agent suitable for Class B fires, For large fires, use water spray or fog, thoroughly drenching the burning material.



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FIRE AND EXPLOSION HAZARD :

Combustible Liquid; may form combustible mixtures at or above the flash point. Empty product containers may contain product residue. Do not pressurize, cut, heat, weld, or expose containers to flame or other sources of ignition. 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. Remove sources of ignition.

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 :

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. Do not use, store, spill or pour near heat, sparks or open flame.

STORAGE CONDITIONS :

Store in suitable labeled containers. Store the containers tightly closed. Keep in a cool, well-ventilated place. Store away from heat and sources of ignition. Have appropriate fire extinguishers available in and near the storage area. Connections must be grounded to avoid electrical charges. Store separately from oxidizers.

SUITABLE CONSTRUCTION MATERIAL :

Compatibility with Plastic Materials can vary; we therefore recommend that compatibility is tested prior to use.

SPECIFIC USE(S) :

OXYGEN SCAVENGER

For specific dosages and customized applications please contact your representative.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS



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

ENGINEERING MEASURES :

The use of local exhaust ventilation is recommended to control emissions near the source. Laboratory samples should be handled in a fumehood. Provide mechanical ventilation of confined spaces.

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.

RESPIRATORY PROTECTION :

If significant mists, vapors or aerosols are generated an approved respirator 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. 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 PVC or nitrile. 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	Light yellow
FLASH POINT :	70 °C
SPECIFIC GRAVITY	1.001
SOLUBILITY IN WATER	Complete
pH (100 %)	11.4 - 11.8

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MELTING POINT -8 °C
BOILING POINT 100 °C Minimum

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.

CONDITIONS TO AVOID :

Heat and sources of ignition including static discharges. Avoid extremes of temperature.

MATERIALS TO AVOID :

Strong oxidizing agents, Acids

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: Rat
LD50: > 5,000 mg/kg
Test Descriptor: 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 :

No toxicity studies have been conducted on this 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



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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 :

The organic portion of this preparation is expected to be readily biodegradable.

BIOACCUMULATION POTENTIAL

This preparation or material is not expected to bioaccumulate.

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.

Decree about waste of 27.04.2001 (DZ.U nr.62 item 628 with later changes Dz U 2003, nr 7 item 78.

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.

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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 FRANCE

Classified Industrial Sites (ICPE): Relevant. Headings: 1432C

NATIONAL REGULATIONS GERMANY

WGK 1 (Annex 4)

NATIONAL REGULATIONS HOLLAND

ABM RESULT

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

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



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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)
Decree of Health Ministry of 13.11.2007 about MSDS (Dz.U nr.215 item 1588).
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)
Government Statement of 23.03.2007 concerning the changes in attachment A and B to European agreement regarding international transport the dangerous products (ADR) issue in Geneva of 30.09.1957 (Dz. U nr.99 item.667).
Decree of Industry Ministry of 21.02.2005 change the decree of production, using and turnover of dangerous products and substance contents the dangerous substance (DZ.U nr.39,poz.372 from 2005 with later changes).

INTERNATIONAL CHEMICAL CONTROL LAWS EUROPE

The substances in this preparation have been reviewed for compliance with the EINECS or ELINCS inventories.

Safety Data Sheet according to Regulation (EC) No 1907/2006.

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 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.

JAPAN

All substances in this product comply with the Law Regulating the Manufacture and Importation Of Chemical Substances and are listed on the Existing and New Chemical Substances list (ENCS).

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16. OTHER INFORMATION

LIST OF RELEVANT R-PHRASES AND NOTAS IN SECTION 3

R10 - Flammable.

R20/21 - Harmful by inhalation and in contact with skin.

R36/37/38 - Irritating to eyes, respiratory system and skin.

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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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