

MATERIALSAFETY DATA SHEET

AMIHIB 1007

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name AMIHIB 1007

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier Blue Line Chemicals LLC

PO Box-42629

Musaffah Industrial Area

Abu Dhabi

United Arab Emirates

+971255004002

+97125501664

1.4. Emergency telephone number

+971255004002

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.

Human health Acute Tox. 4 - H302;Skin Corr. 1B - H314;STOT Single 3 - H335

Environment Not classified.

Classification (1999/45/EEC) Xn;R22. C;R34. Xi;R37. R31.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

Signal Word Danger

Hazard Statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary Statements

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove

contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P501 Dispose of contents/container to ...

Supplementary Precautionary Statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash ... thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if

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P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P321 Specific treatment (see ... on this label).
P330 Rinse mouth.
P363 Wash contaminated clothing before reuse.
P403+233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

AMMONIUM BISULPHITE 70% 10-30%

CAS-No.: 10192-30-0 EC No.:

Classification (67/548/EEC)

Xi;R36/37. R31,R52.

Classification (EC 1272/2008)

EUH031 Eye Irrit. 2 - H319

STOT Single 3 - H335

BENZYL(DODECYL)DIMETHYL - AMMONIUM CHLORIDE 10-30%

CAS-No.: 139-07-1 EC No.: 205-351-5

Classification (67/548/EEC)

Xn;R21/22.C;R34. N;R50.

Classification (EC 1272/2008)

Acute Tox. 4 - H302

Acute Tox. 4 - H312

Skin Corr. 1B - H314

Aquatic Acute 1 - H400

BENZYL(TETRADECYL)DIMETHYL - AMMONIUM CHLORIDE 5-10%

CAS-No.: 139-08-2 EC No.: 205-352-0

Classification (67/548/EEC)

Xn;R21/22.C;R34.N;R50.

Classification (EC 1272/2008)

Acute Tox. 4 - H302

Acute Tox. 4 - H312

Skin Corr. 1B - H314

Aquatic Acute 1 - H400

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures Inhalation

Move the exposed person to fresh air at once.

Ingestion Immediately rinse mouth and provide fresh air.

Skin contact



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Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact

Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital. Bring these instructions.

4.2. Most important symptoms and effects, both acute and delayed

Ingestion

Harmful if swallowed

Skin contact

Burns can occur.

Eye contact

Causes burns. Risk of serious damages to eyes. Immediate first aid is necessary.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Sulphur dioxide.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

6.2. Environmental precautions

Avoid release to the environment. Avoid discharge into water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Small quantities: Dilute with water. Treat contaminated water by oxidizing it with

Hydrogen Peroxide and neutralize with soda and lime. Big

quantities: Stem with sand or soil and collect it mechanically in suitable containers.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry place and well ventilated area and away from heat, direct sunlight, hot metal surfaces and all sources of ignitions.

Store in a cool and well-ventilated place. Store away from: Oxidising material. Acids.

7.3. Specific end use(s)

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.2. Exposure controls

Protective equipment

Respiratory equipment

Respiratory protection may be required.

Hand protection

Use impermeable or chemically resistant protective gloves.

Eye protection

Safety glasses with side guards.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Liquid

Colour Colorless to pale yellow liquid.

Odour Mild.

Solubility Soluble in water.

Relative density 1.07 to 1.09 @25C

pH-Value, Conc. Solution 5 to 8

Flash point (°C) greater than 100C Sh CC (Setaflash closed cup).

Auto Ignition Temperature (°C)

Not applicable.

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Reacts with strong oxidising agents

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

If violently heated, exothermic reaction can take place with product transformation into ammonium thiosulphate and sulphur and release of sulphur dioxide. The exothermic reaction goes on until total transformation of bisulphite into ammonium sulphate and sulphur with release of great quantities of heat.

10.5. Incompatible materials

Materials To Avoid

Contact with acid releases SO₂ gas. Can react vigorously with oxidizing agents.

Nitrites.

10.6. Hazardous decomposition products

SO₂ and NH₃ when heated to boiling (111 deg C) NH₃ when mixed with alkali.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

alkylbenzyl dimethyl ammonium chloride LD50 (oral , rat) 200 - 2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Inorganic product not to be disposed of through biological treatment systems. Product residuals to be disposed of according to official current regulations and using authorized disposal pumps. For contaminated packages: Empty the package, unfold it completely and dispose it accordingly to packaging material.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1760

UN No. (IMDG) 1760

UN No. (ICAO) 1760

14.2. UN proper shipping name

Proper Shipping Name CORROSIVE LIQUID, N.O.S. (AMMONIUM BISULPHITE, BENZYL(DODECYL)DIMETHYL - AMMONIUM CHLORIDE)

14.3. Transport hazard class(es)

ADR/RID/ADN Class Class 8: Corrosive substances.

ADR Label No. 8

IMDG Class 8

ICAO Class/Division 8

Transport Labels

14.4. Packing group

IMDG Packing group I

ICAO Packing group I

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user

EMS F-A, S-B

Emergency Action Code 2X

Hazard No. (ADR) 88

Tunnel Restriction Code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code



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SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Date 29 Jan 2012

Revision 1

AMIHIB 1007

Risk Phrases In Full

R34 Causes burns.

R31 Contact with acids liberates toxic gas.

R21/22 Harmful in contact with skin and if swallowed.

R52 Harmful to aquatic organisms.

R36/37 Irritating to eyes and respiratory system.

R50 Very toxic to aquatic organisms.

Hazard Statements In Full

H319 Causes serious eye irritation.

H314 Causes severe skin burns and eye damage.

EUH031 Contact with acids liberates toxic gas.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.
