1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MasterLife CI 222
Product code : 000000000050463337 000000000050463337

Manufacturer or supplier’s details
Company : SAUDI BASF FOR BUILDING MATERIALS CO. LTD
Address : Dammam 2nd Industrial Area
          AL Khobar 31952
Telephone : +966966138121140
Emergency telephone : ChemTel: +1-813-248-0585
Telefax : +966966138121822

Recommended use of the chemical and restrictions on use
Recommended use : Product for construction chemicals

2. HAZARDS IDENTIFICATION

GHS Classification
Skin corrosion/irritation : 1B
Serious eye damage/eye irritation : 1
Specific target organ toxicity - single exposure : 3 (respiratory tract irritation)
Hazardous to the aquatic environment - acute hazard : 3

GHS label elements
Hazard pictograms : 

Signal Word : Danger
Hazard Statements : H335 May cause respiratory irritation.
                    H314 Causes severe skin burns and eye damage.
                    H402 Harmful to aquatic life.

Precautionary Statements : Prevention:
                          P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
SAFETY DATA SHEET
MasterLife CI 222

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P271 Use only outdoors or in a well-ventilated area.
P260 Do not breathe dust or mist.
P273 Avoid release to the environment.
P264 Wash face, hands and any exposed skin thoroughly after handling.

Response:
P305 + P351 + P338 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/ doctor/ 
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. 
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P363 Wash contaminated clothing before reuse.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:
P501 Dispose of contents/container to appropriate hazardous waste collection point.

Other hazards which do not result in classification
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Aqueous solution
Amines
polycarboxylate

Components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%) w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-aminoethanol</td>
<td>141-43-5</td>
<td>&gt;= 15 - &lt; 20</td>
</tr>
<tr>
<td>Butyl oleate</td>
<td>142-77-8</td>
<td>&gt;= 15 - &lt; 20</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
In case of skin contact: Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact: Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed: Clean mouth with water and drink afterwards plenty of water.
Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

Most important symptoms and effects, both acute and delayed:
Causes serious eye damage.
May cause respiratory irritation.
Causes severe burns.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Unsuitable extinguishing media: High volume water jet
Specific hazards during fire fighting: Do not allow run-off from fire fighting to enter drains or water courses.
Specific extinguishing methods: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up: Neutralize with acid.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
7. HANDLING AND STORAGE

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Advice on safe handling:
- Avoid formation of aerosol.
- Do not breathe vapors/dust.
- Avoid exposure - obtain special instructions before use.
- Avoid contact with skin and eyes.
- For personal protection see section 8.
- Smoking, eating and drinking should be prohibited in the application area.
- Provide sufficient air exchange and/or exhaust in work rooms.
- To avoid spills during handling keep bottle on a metal tray.
- Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage:
- Keep container tightly closed in a dry and well-ventilated place.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Observe label precautions.
- Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions:
- Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.
- Protect from direct sunlight.

Materials to avoid:
- Observe VCI storage rules.

Further information on storage stability:
- No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Ingredients with workplace control parameters

Personal protective equipment

Respiratory protection:
- Wear respiratory protection if ventilation is inadequate.
- Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection

Remarks:
- The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection:
- Eye wash bottle with pure water
- Tightly fitting safety goggles
- Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection:
- Impervious clothing
  - Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures:
- Do not inhale dust/fumes/aerosols.
Avoid contact with the skin, eyes and clothing.
Avoid exposure - obtain special instructions before use.
Handle in accordance with good building materials hygiene
and safety practice.
Wearing of closed work clothing is recommended.

Hygiene measures:
- When using do not eat or drink.
- When using do not smoke.
- Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
</tr>
<tr>
<td>Odor</td>
<td>mild</td>
</tr>
<tr>
<td>pH</td>
<td>approx. 11.0 - 11.6</td>
</tr>
<tr>
<td>Melting temperature</td>
<td>approx. 0 °C (for a component of this mixture)</td>
</tr>
<tr>
<td>Boiling point</td>
<td>approx. 100 °C (for a component of this mixture)</td>
</tr>
<tr>
<td>Flash point</td>
<td>Method: Flash-Point by Pensky-Martens Closed Cup Tester. No flash point - Measurement made up to the boiling point.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>not flammable</td>
</tr>
<tr>
<td>Self-ignition</td>
<td>not self-igniting</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>Heavier than air.</td>
</tr>
<tr>
<td>Density</td>
<td>approx. 1.018 g/cm³ (20 °C)</td>
</tr>
<tr>
<td></td>
<td>1.015 g/cm³ (50 °C)</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble (20 °C)</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No decomposition if stored and handled as prescribed/indicated.</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>not determined</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

MasterLife CI 222

1.1 Biozid 222

Version 1.1 Revised Date: 29.06.2020
SDS Number: 000000252357
Date of last issue: 25.06.2020
Date of first issue: 25.06.2020

10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.
Chemical stability: No decomposition if stored and applied as directed.
Possibility of hazardous reactions: No decomposition if stored and applied as directed.
Conditions to avoid: See SDS section 7 - Handling and storage.
Incompatible materials:
- Strong acids
- Strong bases
- Strong oxidizing agents
- Strong reducing agents
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified based on available information.

Skin corrosion/irritation
Causes severe burns.

Serious eye damage/eye irritation
Causes serious eye damage.

Respiratory or skin sensitization

Skin sensitization
Not classified based on available information.

Respiratory sensitization
Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.

STOT-single exposure
May cause respiratory irritation.

STOT-repeated exposure
Not classified based on available information.
Aspiration toxicity
Not classified based on available information.

Further information

Product:
Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.
Remarks: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:
Toxicity to fish: LC50 (Fathead minnow): 2.070 mg/l
Exposure time: 96 h

Ecotoxicology Assessment
Acute aquatic toxicity: Harmful to aquatic life.

Persistence and degradability

Product:
Biodegradability: Remarks: Taking into consideration the properties of several ingredients, the product is estimated not to be readily biodegradable according to OECD classification.

Bioaccumulative potential

Components:
2-aminoethanol:
Partition coefficient: n-octanol/water: log Pow: -2,3 (25 °C)
pH: 6,8 - 7,3
Method: Partition coefficient (n-octanol/water), Shake-flask method
GLP: no

Butyl oleate:
Partition coefficient: n-octanol/water: log Pow: 9,49 (25 °C)
Method: other (calculated)

Mobility in soil
No data available

Other adverse effects

Product:
Additional ecological information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
SAFETY DATA SHEET

MasterLife CI 222

Harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: The product should not be allowed to enter drains, water
courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging: Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG
UN number: UN 2735
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
(2-AMINOETHANOL/ETHANOLAMINE)
Class: 8
Packing group: II
Labels: 8

IATA-DGR
UN/ID No.: UN 2735
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
(2-AMINOETHANOL/ETHANOLAMINE)
Class: 8
Packing group: II
Labels: Corrosive
Packing instruction (cargo aircraft): 855
Packing instruction (passenger aircraft): 851

IMDG-Code
UN number: UN 2735
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
(2-AMINOETHANOL/ETHANOLAMINE)
Class: 8
Packing group: II
Labels: 8
EmS Code: F-A, S-B
Marine pollutant: no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Special precautions for user
The transport classification(s) provided herein are for informational purposes only, and solely
based upon the properties of the unpackaged material as it is described within this Safety Data
## 15. REGULATORY INFORMATION

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

## 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50% of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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.