1. Identification of the substance/mixture and of the company/undertaking

Product identifier

MasterAir 111 also MICRO-AIR 111

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

Relevant identified uses: Product for construction chemicals

Details of the supplier of the safety data sheet

Company: BASF Construction Chemicals Egypt
Factory: Piece 118, Zone 4
Sadat City - Monoufaia, Egypt

Contact address: BASF SE
67056 Ludwigshafen
GERMANY

Telephone: +49 621 60-0
E-mail address: global.info@basf.com

Emergency telephone number

International emergency number:
Telephone: +49 180 2273-112

2. Hazards Identification

Label elements

According to Directive 67/548/EEC or 1999/45/EC


Hazard symbol(s)
BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 07.12.2010

Product: MasterAir 111 also MICRO-AIR 111

(ID no. 30618560/SDS_GEN_EU/EN)

Date of print 13.01.2015

Xi
Irritant.

R-phrase(s)
R36  Irritating to eyes.
R43  May cause sensitization by skin contact.

S-phrase(s)
S2   Keep out of the reach of children.
S24  Avoid contact with skin.
S37  Wear suitable gloves.
S46  If swallowed, seek medical advice immediately and show this container or label.

May produce an allergic reaction.

|Hazard determining component(s) for labelling: FORMALDEHYDE

Classification of the substance or mixture

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:
Irritating to eyes.
May cause sensitization by skin contact.

Other hazards

Assessment PBT / vPvB:
The product does not fulfill the criteria for PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative).

3. Composition/Information on Ingredients

Mixtures

Chemical nature
Aqueous solution based on: ligninsulfonate

Hazardous ingredients
according to Directive 1999/45/EC

|Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts
Content (W/W): >= 2.5 % - < 7 %
CAS Number: 68439-57-6
EC-Number: 270-407-8
Hazard symbol(s): Xi
R-phrase(s): 38, 41
## 4. First-Aid Measures

**Description of first aid measures**

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:
After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:
Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

### Most important symptoms and effects, both acute and delayed

Symptoms: No data available.

### Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.
5. Fire-Fighting Measures

Extinguishing media
Suitable extinguishing media:
- foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:
- water jet

Special hazards arising from the substance or mixture
- carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Advice for fire-fighters
Special protective equipment:
- Wear a self-contained breathing apparatus.

Further information:
The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up
For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.
For large amounts: Pump off product.

Reference to other sections
Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. Handling and Storage

Precautions for safe handling
Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:
- The product does not contribute to the spreading of flames, nor is it self combustible, not explosive.
- Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities
8. Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

8061-51-6: Lignosulfonic acid, sodium salt
50-00-0: formaldehyde
67-56-1: methanol

Exposure controls

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:
Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other Manufacturer’s directions for use should be observed because of great diversity of types.

Eye protection:
Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).
9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form: liquid
Colour: brown
Odour: characteristic
pH value: 5 - 7 (25 °C)
boiling temperature: > 100 °C
Flash point: Non-flammable.
Ignition temperature: not applicable
Density: 1.00 g/cm³ (20 °C)
Solubility in water: miscible (25 °C)
Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Other information

Bulk density: not applicable

10. Stability and Reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions
The product is stable if stored and handled as prescribed/indicated.

Conditions to avoid
See MSDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:
strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.
11. Toxicological Information

Information on toxicological effects

Acute toxicity

Experimental/calculated data:
LD50 rat (oral): > 10,000 mg/kg

Irritation

Assessment of irritating effects:
Irritating to eyes.

Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant

Respiratory/Skin sensitization

Assessment of sensitization:
The product has not been tested. The statement has been derived from the properties of the individual components. May cause sensitization by skin contact.

Germ cell mutagenicity

Assessment of mutagenicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity

Assessment of carcinogenicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Reproductive toxicity

Assessment of reproduction toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Developmental toxicity

Assessment of teratogenicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Other relevant toxicity information
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms. At the present state of knowledge, no negative ecological effects are expected.

Toxicity to fish:
LC50 (96 h) > 1,000 mg/l, Brachydanio rerio

Aquatic invertebrates:
EC50 (48 h) > 500 mg/l, Daphnia sp.

Persistence and degradability

Assessment biodegradation and elimination (H2O):
Not readily biodegradable (by OECD criteria).

Bioaccumulative potential

Bioaccumulation potential:
No data available concerning bioaccumulation.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:
No data available.

Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative).

Additional information

Other ecotoxicological advice:
According to experience, the material has no harmful effect on the environment. Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. Disposal Considerations

Waste treatment methods

Observe national and local legal requirements.
Residues should be disposed of in the same manner as the substance/product.
Contaminated packaging:
Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

**Land transport**

ADR

Not classified as a dangerous good under transport regulations

RID

Not classified as a dangerous good under transport regulations

**Inland waterway transport**

ADNR

Not classified as a dangerous good under transport regulations

**Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

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

16. Other Information

In addition to the information given in the safety data sheet we refer to the product specific 'Technical Information'.

Full text of hazard symbols, hazard statements and R-phrases if mentioned as hazardous components in chapter 3:

| Xi | Irritant. |
| T | Toxic. |
| F | Highly flammable. |
| 38 | Irritating to skin. |
Risk of serious damage to eyes.  
23/24/25  Toxic by inhalation, in contact with skin and if swallowed.  
34  Causes burns.  
40  Limited evidence of a carcinogenic effect.  
43  May cause sensitization by skin contact.  
11  Highly flammable.  
39/23/24/25  Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product’s properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.