

# SAFETY DATA SHEET

## MO-BO

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 453/2010 and Regulation (EC) No. 1272/2008



SDS # : NP-0024-2-A  
Revision date: 2018-07-18  
Format: EU  
Version 1.01

### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Code(s) NP-0024-2-A

Product Name MO-BO

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

Recommended Use: A fertilizer with micronutrients for use in agriculture and horticulture

Restrictions on use Use as recommended by the label.

#### 1.3. Details of the supplier of the safety data sheet

Manufacturer FMC Agro Limited  
Rectors Lane  
Pentre  
Flintshire  
CH5 2DH  
United Kingdom  
Tel: + 44 (0) 1244 537370  
E-mail: fmc.agro.uk@fmc.com

For further information, please contact:

Contact point Tel: +44(0)1244 537370  
Email: fmc.agro.uk@fmc.com

#### 1.4. Emergency telephone number

Emergency telephone Tel: +44(0)1244 537370 (Office hours only)

### Section 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture *Regulation (EC) No 1272/2008*

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].  
This product has no label elements.  
This product has no classification under CLP.  
Hazard symbol not required.

#### 2.2. Label elements

##### **Hazard pictograms**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].  
This product has no label elements.  
This product has no classification under CLP.  
Hazard symbol not required.

**2.3. Other hazards**

This product is not identified as a PBT/vPvB substance.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

The product is a mixture, not a substance.

**3.2 Mixtures****Chemical nature**

Contains: No reportable hazardous ingredients according to Regulation (EC) No 1272/2008.

**Section 4: FIRST AID MEASURES****4.1. Description of first aid measures**

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| <b>Eye Contact</b>  | Hold eyes open and rinse slowly and gently with water for 15-20 minutes. |
| <b>Skin Contact</b> | Wash off immediately with soap and plenty of water.                      |
| <b>Inhalation</b>   | Call a doctor or poison control centre immediately.                      |
| <b>Ingestion</b>    | Clean mouth with water.                                                  |

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

|                                                                    |                                                                                               |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Most important symptoms and effects, both acute and delayed</b> | Skin contact: May see mild irritation at the site of contact.                                 |
|                                                                    | Eye contact: Possible irritation and redness.                                                 |
|                                                                    | Ingestion: Possible irritation of the throat.                                                 |
|                                                                    | Inhalation: May experience irritation of the throat with a feeling of tightness in the chest. |
|                                                                    | Delayed/Immediate effects: Immediate effects can be expected after short-term exposure.       |

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

|                                                                                             |                        |
|---------------------------------------------------------------------------------------------|------------------------|
| <b>Indication of immediate medical attention and special treatment needed, if necessary</b> | Treat symptomatically. |
|---------------------------------------------------------------------------------------------|------------------------|

**Section 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Suitable Extinguishing Media**

Use extinguishing agent suitable for type of surrounding fire. Cool containers / tanks with water spray.

**Unsuitable extinguishing media**

No information available

**5.2. Special hazards arising from the substance or mixture**

Toxic fumes may be released in fire situations.

**5.3. Advice for firefighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal Precautions**

For personal protection see section 8. Avoid contact with the skin and the eyes. Stop leak if you can do it without risk.

For further clean-up instructions, call Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding. Accidental release into water courses must be alerted to the appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for cleaning up**

Clean contaminated surface thoroughly with excess of water. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

### 6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### **Handling**

Ensure adequate ventilation.

#### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage**

Protect from freezing. Store above 5°C. Store in a well-ventilated place. Keep cool. Keep away from direct sunlight. Keep away from heat. Keep out of reach of children and animals. Keep away from food, drink and animal feedingstuffs.

### 7.3. Specific end use(s)

#### **Specific Use(s)**

None known.

#### **Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### **Derived No Effect Level (DNEL)**

No information available.

#### **Predicted No Effect Concentration (PNEC)**

No information available.

**8.2. Exposure controls**

**Engineering measures** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye/Face Protection** Safety Glasses. Eye wash bottle with pure water.

**Hand Protection** Protective gloves.

**Skin and Body Protection** Wear protective gloves/clothing.

**Respiratory Protection** Not required under normal use.

**Environmental exposure controls** Refer to specific Member State legislation for requirements under Community environmental legislation.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1. Information on basic physical and chemical properties**

|                                     |                                |
|-------------------------------------|--------------------------------|
| <b>Physical State</b>               | Liquid                         |
| <b>Appearance</b>                   | Clear, colorless liquid        |
| <b>Odour</b>                        | Barely perceptible             |
| <b>Colour</b>                       | Colourless                     |
| <b>Odour threshold</b>              | No information available       |
| <b>pH</b>                           | 7.5 - 8.5                      |
| <b>Melting point/freezing point</b> | No information available       |
| <b>Boiling point/boiling range</b>  | No information available       |
| <b>Flash point</b>                  | No information available       |
| <b>Evaporation Rate</b>             | No information available       |
| <b>Flammability (solid, gas)</b>    | No information available       |
| <b>Flammability Limit in Air</b>    |                                |
| Upper flammability limit:           | No information available       |
| Lower flammability limit            | No information available       |
| <b>Vapour pressure</b>              | No information available       |
| <b>Vapour density</b>               | No information available       |
| <b>Specific gravity</b>             | 1.34 - 1.36                    |
| <b>Water solubility</b>             | Soluble in water               |
| <b>Solubility in other solvents</b> | No information available       |
| <b>Partition coefficient</b>        | No information available       |
| <b>Autoignition temperature</b>     | No information available       |
| <b>Decomposition temperature</b>    | No information available       |
| <b>Viscosity, kinematic</b>         | No information available       |
| <b>Viscosity, dynamic</b>           | No information available       |
| <b>Explosive properties</b>         | No information available       |
| <b>Oxidising properties</b>         | Non-oxidizing (by EC criteria) |

**9.2. Other information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC content (%)</b>  | No information available |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |
| <b>K<sub>st</sub></b>   | No information available |

## Section 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

Stable under recommended storage conditions

**10.2. Chemical stability**

Stable under recommended storage conditions.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**10.3. Possibility of hazardous reactions**

**Hazardous polymerisation**

Hazardous polymerization does not occur.

**Hazardous reactions**

Decomposition can occur on exposure to heat or moisture.

**10.4. Conditions to avoid**

Heat.

**10.5. Incompatible materials**

Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

May emit toxic fumes under fire conditions.

**Section 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Acute toxicity**

**Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

**LD50 Oral** > 2000 (rat) (Calculated Estimated Acute Toxicity - EAT)

|                                          |                              |
|------------------------------------------|------------------------------|
| <b>Skin corrosion/irritation</b>         | Mild Irritant.               |
| <b>Serious eye damage/eye irritation</b> | Slightly irritating to eyes. |
| <b>Sensitisation</b>                     | No information available.    |
| <b>Mutagenicity</b>                      | No information available.    |
| <b>Carcinogenicity</b>                   | No information available.    |

|                                 |                                                               |
|---------------------------------|---------------------------------------------------------------|
| <b>Reproductive toxicity</b>    | No information available.                                     |
| <b>STOT - single exposure</b>   | No information available.                                     |
| <b>STOT - repeated exposure</b> | No information available.                                     |
| <b>Symptoms</b>                 | Skin contact: May see mild irritation at the site of contact. |

Eye contact: Possible irritation and redness.

Ingestion: Possible irritation of the throat.

Inhalation: May experience irritation of the throat with a feeling of tightness in the chest.

Delayed/Immediate effects: Immediate effects can be expected after short-term exposure.

|                          |                           |
|--------------------------|---------------------------|
| <b>Aspiration hazard</b> | No information available. |
|--------------------------|---------------------------|

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

There is no data available for this product.

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

#### **Mobility in soil**

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### **Waste from residues / unused products**

Transfer to a suitable container and arrange for collection by specialised disposal company. Alternatively, the product can be incinerated, in accordance with local regulations. The diluted product and washings should be sent to a water treatment facility. Do not contaminate ponds, waterways or ditches with chemical or used containers. Do not discharge to sewer systems.

#### **Contaminated Packaging**

Clean container with water. Dispose of rinse water in accordance with local and national guidelines. Dispose of in accordance with local regulations.

#### **EWC Waste Disposal No**

02 01 09

#### **OTHER INFORMATION**

NOTE : The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal.

## Section 14: TRANSPORT INFORMATION

### IMDG/IMO

#### **14.1 UN/ID no**

Not regulated

#### **14.2 Proper Shipping Name**

Not regulated

#### **14.3 Hazard class**

Not regulated

#### **14.4 Packing Group**

Not regulated

#### **14.5 Marine Pollutant**

Not applicable

#### **14.6 Special Provisions**

None

#### **14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

This product is not transported in bulk containers

**RID**

|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID no             | Not regulated  |
| 14.2 Proper Shipping Name | Not regulated  |
| 14.3 Hazard class         | Not regulated  |
| 14.4 Packing Group        | Not regulated  |
| 14.5 Environmental Hazard | Not applicable |
| 14.6 Special Provisions   | None           |

**ADR/RID**

|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID no             | Not regulated  |
| 14.2 Proper Shipping Name | Not regulated  |
| 14.3 Hazard class         | Not regulated  |
| 14.4 Packing Group        | Not regulated  |
| 14.5 Environmental Hazard | Not applicable |
| 14.6 Special Provisions   | None           |

**ICAO/IATA**

|                           |                |
|---------------------------|----------------|
| 14.1 UN/ID no             | Not regulated  |
| 14.2 Proper Shipping Name | Not regulated  |
| 14.3 Hazard class         | Not regulated  |
| 14.4 Packing Group        | Not regulated  |
| 14.5 Environmental Hazard | Not applicable |
| 14.6 Special Provisions   | None           |

**Section 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****European Union****Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not Applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not Applicable

**International Inventories****15.2. Chemical safety assessment**

A Chemical Safety Assessment has not yet been completed for this substance

**Section 16: OTHER INFORMATION****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of R-phrases referred to under sections 2 and 3**

Not applicable

**Legend**

**ADR:** European Agreement concerning the International Carriage of Dangerous Goods by Road  
**CAS:** CAS (Chemical Abstracts Service)  
**Ceiling:** Maximum limit value:  
**DNEL:** Derived No Effect Level (DNEL)  
**EINECS:** EINECS (European Inventory of Existing Chemical Substances)  
**GHS:** Globally Harmonised System (GHS)  
**IATA:** International Air Transport Association (IATA)  
**ICAO:** International Civil Aviation Organization  
**IMDG:** International Maritime Dangerous Goods (IMDG)  
**LC50:** LC50 (lethal concentration)  
**LD50:** LD50 (lethal dose)  
**PBT:** Persistent, Bioaccumulative, and Toxic (PBT) Chemicals  
**RID:** Regulations Concerning the International Transport of Dangerous Goods by Rail  
**STEL:** Short term exposure limit  
**SVHC:** SVHC: Substances of Very High Concern for Authorisation:

**TWA:** time weighted average  
**vPvB:** very Persistent and very Bioaccumulative

**Revision date:** 2018-07-18

**Reason for revision:** (M)SDS sections updated.

**Further information** This Safety Data Sheet has been prepared according to Regulation (EC) 1907/2006 and Regulation (EU) 2015/830

**Disclaimer**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

**Prepared By**

FMC Corporation

FMC Logo - Trademark of FMC Corporation

© 2018 FMC Corporation. All Rights Reserved.

**End of Safety Data Sheet**