

# SAFETY DATA SHEET

## SOPROPHOR PREMIX

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



SDS # : NP-0091-A  
Revision date: 2020-02-26  
Format: EU  
Version 1

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

Product Code(s) NP-0091-A  
Product Name SOPROPHOR PREMIX

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

Recommended Use: A liquid dispersing agent for use as a raw material in agrochemical manufacture  
Restrictions on use Use as recommended by the label.

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

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

For further information, please contact:

Contact point E-Mail: SDS-Info@fmc.com  
Phone: +1 215-299-6000 (General Information)

#### 1.4. Emergency telephone number

Emergency telephone Medical emergencies:  
  
Austria: +43 1 406 43 43  
Belgium: +32 70 245 245  
Bulgaria: +359 2 9154 409  
Cyprus: 1401  
Czech Republic: +420 224 919 293, +420 224 915 402  
Denmark: +45 82 12 12 12  
France: +33 (0) 1 45 42 59 59  
Finland: +358 9 471 977  
Greece: 30 210 77 93 777  
Hungary: +36 80 20 11 99  
Ireland (Republic): +352 1 809 2166  
Italy: +39 02 6610 1029  
Lithuania: +370 523 62052, +370 687 53378  
Luxembourg: +352 8002 5500  
Netherlands: +31 30 274 88 88  
Norway: +47 22 591300  
Poland: +48 22 619 66 54, +48 22 619 08 97

Portugal: 800 250 250 (in Portugal only), +351 21 330 3284  
Romania: +40 21318 3606  
Slovakia: +421 2 54 77 4 166  
Slovenia: +386 41 650 500  
Spain: +34 91 562 04 20  
Sweden: +46 08-331231112  
Switzerland: 145  
United Kingdom: 0870 600 6266 (in the UK only)  
U.S.A. & Canada: +1 800 / 331-3148  
All other countries: +1 651 / 632-6793 (Collect)

For leak, fire, spill, or accident emergencies, call:  
800 / 424 9300 (CHEMTREC - U.S.A.)  
703 / 741-5970 (CHEMTREC - International)  
703 / 527 3887 (CHEMTREC - Alternate)

## Section 2: HAZARDS IDENTIFICATION

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

|  |                   |
|--|-------------------|
| Specific target organ toxicity — repeated exposure | Category 2 (H373) |
|--|-------------------|

### 2.2. Label elements

#### Hazard pictograms



**Signal Word**  
Warning

#### Hazard Statements

H373 - May cause damage to organs through prolonged or repeated exposure

#### Precautionary Statements

P264 - Wash hands thoroughly after handling

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor

P501: Dispose of contents/container as hazardous waste in accordance with local regulations.

### 2.3. Other hazards

This product is not identified as a PBT substance.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

The product is a mixture, not a substance.

| Chemical name   | EC-No     | CAS-No   | Weight percent | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH registration number |
|-----------------|-----------|----------|----------------|---|---------------------------|
| ethane-1,2-diol | 203-473-3 | 107-21-1 | 30 - 50        | Acute Tox. 4 (H302)<br>STOT RE 2: (H373)                        | 01-2119456816-28-XXXX     |

**Additional Information**

For the full text of the H- and EUH- phrases mentioned in this Section, see Section 16

**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 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice. |
| <b>Skin Contact</b> | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.   |
| <b>Inhalation</b>   | Remove person from exposure ensuring one's own safety while doing so.   |
| <b>Ingestion</b>    | Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Transfer to hospital as soon as possible.  |

**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.<br><br>Eye contact: Possible irritation and redness.<br><br>Ingestion: Possible irritation of the throat.<br><br>Inhalation: May experience irritation of the throat with a feeling of tightness in the chest.<br><br>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. Repeated ingestion or ingestion of large amounts (>50 mL) may cause kidney failure if untreated. |
|---|---|

**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.

|                   |  |
|-------------------|--|
| <b>Small Fire</b> | Dry chemical. Carbon dioxide (CO <sub>2</sub> ). |
| <b>Large Fire</b> | Water spray. Foam.                               |

**Unsuitable extinguishing media**

Avoid heavy hose streams.

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

Thermal decomposition can lead to release of irritating gases and vapours.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

**Section 6: ACCIDENTAL RELEASE MEASURES**

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

#### **Personal Precautions**

In case of spill, avoid contact. Isolate area and keep out animals and unprotected persons. If safe to do so, turn leaking containers leak-side up to prevent the further escape of liquid. For personal protection see section 8.

For further clean-up instructions, call FMC 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

Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains. Keep out of waterways. Contain the spillage using bunding.

### 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** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dispose of waste as indicated in Section 13.

### 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. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

#### **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. Keep in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep away from heat. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

### 7.3. Specific end use(s)

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

Refer to Section 1 and the Annex.

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

The information required is contained in this Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

| Chemical name               | European Union  | The United Kingdom   | France  | Spain   | Germany |
|-----------------------------|---|--|---|---|---------|
| ethane-1,2-diol<br>107-21-1 | TWA 20 ppm<br>TWA 52 mg/m <sup>3</sup><br>STEL 40 ppm<br>STEL 104 mg/m <sup>3</sup><br>S* | STEL 40 ppm<br>STEL 104 mg/m <sup>3</sup><br>STEL 30 mg/m <sup>3</sup><br>TWA 10 mg/m <sup>3</sup><br>TWA 20 ppm<br>TWA 52 mg/m <sup>3</sup><br>Skin | TWA 20 ppm<br>TWA 52 mg/m <sup>3</sup><br>STEL 40 ppm<br>STEL 104 mg/m <sup>3</sup><br>P* | TWA 20 ppm<br>TWA 52 mg/m <sup>3</sup><br>STEL 40 ppm<br>STEL 104 mg/m <sup>3</sup><br>S* | -       |
| Chemical name               | Italy   | Portugal   | The Netherlands   | Finland   | Denmark |

|                             |   |   |   |   |  |
|-----------------------------|---|---|---|---|--|
| ethane-1,2-diol<br>107-21-1 | TWA 20 ppm<br>TWA 52 mg/m <sup>3</sup><br>STEL 40 ppm<br>STEL 104 mg/m <sup>3</sup><br>Pelle* | TWA 20 ppm<br>TWA 52 mg/m <sup>3</sup><br>STEL 40 ppm<br>STEL 104 mg/m <sup>3</sup><br>Ceiling 100 mg/m <sup>3</sup><br>C(A4)<br>P* | Huid*<br>STEL 104 mg/m <sup>3</sup><br>TWA 52 mg/m <sup>3</sup><br>TWA 10 mg/m <sup>3</sup> | TWA 20 ppm<br>TWA 50 mg/m <sup>3</sup><br>STEL 40 ppm<br>STEL 100 mg/m <sup>3</sup><br>iho* | TWA 10 ppm<br>TWA 26 mg/m <sup>3</sup><br>TWA 10 mg/m <sup>3</sup><br>H*   |
| <b>Chemical name</b>        | <b>Austria</b>  | <b>Switzerland</b>  | <b>Poland</b>   | <b>Norway</b>   | <b>Ireland</b>   |
| ethane-1,2-diol<br>107-21-1 | H*<br>STEL 20 ppm<br>STEL 52 mg/m <sup>3</sup><br>TWA 10 ppm<br>TWA 26 mg/m <sup>3</sup>      | SS-C**<br>H*<br>TWA 10 ppm<br>TWA 26 mg/m <sup>3</sup><br>STEL 20 ppm<br>STEL 52 mg/m <sup>3</sup>                                  | TWA 15 mg/m <sup>3</sup><br>STEL 50 mg/m <sup>3</sup>                                       | TWA 20 ppm<br>TWA 52 mg/m <sup>3</sup><br>S*<br>STEL 104 mg/m <sup>3</sup><br>STEL 40 ppm   | TWA 10 mg/m <sup>3</sup><br>TWA 20 ppm<br>TWA 52 mg/m <sup>3</sup><br>STEL 40 ppm<br>STEL 30 mg/m <sup>3</sup><br>STEL 104 mg/m <sup>3</sup><br>Skin |

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

**Engineering measures** Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

## Personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields. Provide emergency on-site eyewash.

**Hand Protection** Use protective gloves made of chemical materials such as nitrile or neoprene. Wash the outside of gloves with soap and water before reuse. Check regularly for leaks.

**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>                   | Liquid                   |
| <b>Odour</b>                        | Barely perceptible       |
| <b>Colour</b>                       | Pale yellow, Colourless  |
| <b>Odour threshold</b>              | No information available |
| <b>pH</b>                           | ~7                       |
| <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>    |                          |
| <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>             | ~1.09                    |
| <b>Water solubility</b>             | Soluble in water         |
| <b>Solubility in other solvents</b> | No information available |
| <b>Partition coefficient</b>        | No information available |

|                           |                                |
|---------------------------|--------------------------------|
| Autoignition temperature  | No information available       |
| Decomposition temperature | No information available       |
| Viscosity, kinematic      | No information available       |
| Viscosity, dynamic        | No information available       |
| Explosive properties      | No information available       |
| Oxidising properties      | Non-oxidizing (by EC criteria) |

**9.2. Other information**

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

**Sensitivity to Static Discharge** No information available.

**10.3. Possibility of hazardous reactions****Hazardous polymerisation**

Hazardous polymerization does not occur.

**Hazardous reactions**

None under normal processing.

**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** > 4785 mg/kg (rat) (calculated)

**Skin corrosion/irritation** Mildly irritating.

|  |   |
|--|---|
| <b>Serious eye damage/eye irritation</b> | Mildly irritating.  |
| <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.<br><br>Eye contact: Possible irritation and redness.<br><br>Ingestion: Possible irritation of the throat.<br><br>Inhalation: May experience irritation of the throat with a feeling of tightness in the chest.<br><br>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.

#### **Mobility**

Soluble in water.

### 12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT substance.

### 12.6. Other adverse effects

Negligible

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

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

The diluted product and wash waters may be sent to a licensed facility for wastewater

products treatment.

**Contaminated Packaging** Contaminated product containers should be treated in exactly the same way and may be disposed of or re-cycled. .

**EWC Waste Disposal No** 02 01 08

**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

### NOTE

NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

### 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

| Chemical name               | TSCA<br>(United States) | DSL<br>(Canada) | EINECS/ELINCS<br>(Europe) | ENCS<br>(Japan) | China<br>(IECSC) | KECL (Korea) | PICCS<br>(Philippines) | AICS<br>(Australia) |
|-----------------------------|-------------------------|-----------------|---------------------------|-----------------|------------------|--------------|------------------------|---------------------|
| ethane-1,2-diol<br>107-21-1 | X                       | X               | X                         | X               | X                | X            | X                      | X                   |

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: OTHER INFORMATION

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Full text of H-Statements referred to under sections 2 and 3**

H302 - Harmful if swallowed

H373 - May cause damage to organs through prolonged or repeated exposure

#### Legend

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

#### **Key literature references and sources for data**

Data measured on the product are unpublished company data. Data on ingredients are available from published literature and can be found several places.

**Revision date:** 2020-02-26

**Reason for revision:** Format Change.

**Training Advice** This material should only be used by persons who are made aware of its hazardous properties and have been instructed in the required safety precautions.

**Disclaimer**

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.

**Prepared By**

FMC Corporation

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**End of Safety Data Sheet**