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In conformity to Regulation (EU) 2015/830 - In conformity to Regulation (EC) 1907/2006

## **SECTION1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Product code : ILSAFOL 20.20.20  
Product line: ILSACOM

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

Fertilizers  
Sectors of use: Agriculture, forestry, fishery[SU1]

Uses advised against  
Do not use for purposes other than those listed

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

ILSA spa - Via Quinta Strada 28, 36071 Arzignano (VI)  
Tel. +39 0444 452020 Fax +39 0444 456864

Email: [info@ilsagroup.com](mailto:info@ilsagroup.com)

### **1.4. Emergency telephone number**

ILSA S.p.A. +39 0444 452020

## **SECTION2. Hazards identification**

### **2.1. Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms: None

Hazard Class and Category Code(s): Not hazardous.

Hazard statement Code(s): Not hazardous.

### **2.2. Label elements**

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s): None

Hazard statement Code(s): Not hazardous.

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Supplemental Hazard statement Code(s): EUH210 - Safety data sheet available on request.

Precautionary statements: None in particular.

**2.3. Other hazards**

It Contains : boric acid - SVHC

No information on other hazards

**SECTION3. Composition/information on ingredients****3.1 Substances**

Irrelevant

**3.2 Mixtures**

Refer to paragraph 16 for full text of hazard statements

| Substance         | Concentration | Classification   | Index        | CAS        | EINECS    | REACH                         |
|-------------------|---------------|------------------|--------------|------------|-----------|-------------------------------|
| Potassium Nitrate | > 30 <= 50%   | Ox. Sol. 3, H272 |              | 7757-79-1  | 231-818-8 | 01-2119488<br>224-35-000<br>7 |
| boric acid - SVHC | >= 0,1 < 0,3% | Repr. 1B, H360FD | 005-007-00-2 | 10043-35-3 | 233-139-2 |                               |

**SECTION4. First aid measures****4.1. Description of first aid measures**

Inhalation: Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product): Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product): Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion: Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

No data available.

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

No data available.

**SECTION5. Firefighting measures****5.1. Extinguishing media**

Advised extinguishing agents:

Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

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

No data available.

## **5.3. Advice for firefighters**

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

# **SECTION6. Accidental release measures**

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

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

6.1.2 For emergency responders:

Wear gloves and protective clothing

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

## **6.2. Environmental precautions**

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the the authorities.

Discharge the remains in compliance with the regulations

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

6.3.1 For containment:

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

## **6.4. Reference to other sections**

Refer to paragraphs 8 and 13 for more information

# **SECTION7. Handling and storage**

## **7.1. Precautions for safe handling**

Avoid contact and inhalation of vapors

At work do not eat or drink.

See also paragraph 8 below.

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

Keep in original container closed tightly. Do not store in open or unlabeled containers.

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Keep containers upright and safe by avoiding the possibility of falls or collisions.  
Store in a cool place, away from sources of heat and `direct exposure of sunlight.

### 7.3. Specific end use(s)

Agriculture, forestry, fishery:  
Fertilizers.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

- Substance: Potassium Nitrate

DNEL

Systemic effects Long term Workers inhalation = 36,7 (mg/m<sup>3</sup>)

Systemic effects Long term Workers dermal = 20,8 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 10,9 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers dermal = 12,5 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 12,5 (mg/kg bw/day)

PNEC

Sweet water = 0,45 (mg/l)

Sea water = 0,045 (mg/l)

intermittent emissions = 4,5 (mg/l)

STP = 18 (mg/l)

### 8.2. Exposure controls

Appropriate engineering controls - Agriculture, forestry, fishery:  
Use in accordance with good agricultural practices.

Individual protection measures:

(a) Eye / face protection  
Not needed for normal use.

(b) Skin protection

(i) Hand protection  
Not needed for normal use.

(ii) Other  
Wear normal work clothing.

(c) Respiratory protection  
Not needed for normal use.

(d) Thermal hazards  
No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

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**SECTION9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

| Physical and chemical properties             | Value           | Determination method                         |
|----------------------------------------------|-----------------|----------------------------------------------|
| Appearance                                   | Solid           |                                              |
| Odour                                        | Not determined  |                                              |
| Odour threshold                              | Not determined  |                                              |
| pH                                           | Not determined  | G.U. 19/09/2002 Nr. 220 D.M.<br>17/06/2002 7 |
| Melting point/freezing point                 | Not determined  |                                              |
| Initial boiling point and boiling range      | Not determined  |                                              |
| Flash point                                  | Not determined  |                                              |
| Evaporation rate                             | Not determined  |                                              |
| Flammability (solid, gas)                    | Not determined  |                                              |
| Upper/lower flammability or explosive limits | Not determined  |                                              |
| Vapour pressure                              | Not determined  |                                              |
| Vapour density                               | Not determined  |                                              |
| Relative density                             | Not determined  | ILSA S.p.A. IDL 1.2.1 liquid<br>fertilizers  |
| Solubility                                   | Not determined  |                                              |
| Water solubility                             | Not determined  |                                              |
| Partition coefficient: n-octanol/water       | Not determined  |                                              |
| Auto-ignition temperature                    | Not determined  |                                              |
| Decomposition temperature                    | Not determined  |                                              |
| Viscosity                                    | Not determined  |                                              |
| Explosive properties                         | Not determined  |                                              |
| Oxidising properties                         | Non determinato |                                              |

**9.2. Other information**

No data available.

**SECTION10. Stability and reactivity****10.1. Reactivity****10.2. Chemical stability**

No hazardous reaction when handled and stored according to provisions.

**10.3. Possibility of hazardous reactions**

There are no hazardous reactions

#### **10.4. Conditions to avoid**

Nothing to report

#### **10.5. Incompatible materials**

It can generate toxic gases to contact with acids, amide, aliphatic and aromatic amines, carbamate, halogenated substances, isocyanetic, organic sulfide, nitrile, organic phosphates, inorganic sulfide, polymerizable compounds. It can be easy ignite in contact with other substances.

#### **10.6. Hazardous decomposition products**

Does not decompose when used for intended uses.

### **SECTION11. Toxicological information**

#### **11.1. Information on toxicological effects**

ATE(mix) oral = no data available

ATE(mix) dermal = no data available

ATE(mix) inhal = no data available

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation based on available data, the classification criteria are not met.
- (c) serious eye damage/irritation: based on available data, the classification criteria are not met.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.
- (j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

Potassium Nitrate:

LD50 (rat) Oral (mg/kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

### **SECTION12. Ecological information**

#### **12.1. Toxicity**

Use according to good working practices to avoid pollution into the environment.

#### **12.2. Persistence and degradability**

#### **12.3. Bioaccumulative potential**

No data available.

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#### **12.4. Mobility in soil**

#### **12.5. Results of PBT and vPvB assessment**

It Contains :  
boric acid - SVHC

#### **12.6. Other adverse effects**

No adverse effects

### **SECTION13. Disposal considerations**

#### **13.1. Waste treatment methods**

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Operate according to local or national regulations

### **SECTION14. Transport information**

#### **14.1. UN number**

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

#### **14.2. UN proper shipping name**

None

#### **14.3. Transport hazard class(es)**

None

#### **14.4. Packing group**

None

#### **14.5. Environmental hazards**

None

#### **14.6. Special precautions for user**

No data available.

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

Don't intended safety peel-mell.

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## **SECTION15. Regulatory information**

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

Italy: D.Lgs. 3/2/1997 n.52; D.Lgs 14/3/2003 n.65; D.Lgs. 09/04/2008 n.81; D.P.R. 01/08/2011 n.151; D.M. 03/04/2007; D.Lgs. 26/06/2015 n.105; D.Lgs. 15/02/2016 n.39

UE: REG 2006/1907/CE (REACH); REG 2008/1272/CE (CLP); REG 2009/790/CE; DIR 2006/8/CE; DIR 2012/18/UE; DIR 2014/27/UE

### **15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

## **SECTION16. Other information**

### **16.1. Other information**

Regulation references:  
Directive 67/548 29 ° adaptation  
Directive 1999/45 / EC  
Directive 2001/60 / EC  
Regulation EC 1907/2006  
Regulation EC 1272/2008

The information in this Fact Sheet has been provided in good faith and in the belief that they are accurate, based on our knowledge of the product dating from the time of publication. This does not imply the acceptance of any liability by the ILSA Spa Company for the consequences related to its use or misuse in any particular circumstance.

It does in no way exempt the user of the product from observing all the legislative, administrative and regulatory related to the product, hygiene and safety at work.

Document, established in accordance with the guidelines published by EFMA (European Fertilizer Manufacturers Association) and according to the Guide to the compilation of safety data sheets ECHA.

\*\*\* This sheet supersedes any previous edition.