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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 : Ilsactive Start
Product line: Ilsatop

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

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

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

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.

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

Precautionary statements:
None in particular.

2.3. Other hazards

Substance/mixture does not meet the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

SECTION3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
phosphoric acid 75 %	> 1 <= 5%	Skin Corr. 1B, H314	015-011-00-6	7664-38-2	231-633-2	01-2119485 924-24-XXX X

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.

SECTION 5. 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

SECTION 6. 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 or in sewers 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

SECTION 7. 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.
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

Related to contained substances:
phosphoric acid 75 %:

TLV: 1 mg / m³ as TWA 3 mg / m³ as STEL (ACGIH 2004).

MAK: (Inhalable fraction) 2 mg / m³ Peak limitation category: I (2); risk group for pregnancy: C; (DFG 2005).

EU OEL: 1 mg / m³ (8h), 2 mg / m³ (short time.)

- Substance: phosphoric acid 75 %
DNEL

Local effects Long term Workers inhalation = 2,92

Local effects Long term Consumers inhalation = 0,73 (mg/m³)

8.2. Exposure controls

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



Individual protection measures:

(a) Eye / face protection
Wear mask

(b) Skin protection

(i) Hand protection
When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other
When handling the pure product wear full protective skin clothing.

(c) Respiratory protection
Use adequate protective respiratory equipment (EN 141)

(d) Thermal hazards
No hazard to report

Environmental exposure controls:

Related to contained substances:

phosphoric acid 75 %:

Personal protection

Eye / face protection

Suitable eye protection: Safety glasses with side shields (EN 166). Provide eye wash.

Skin protection

Hand protection: Nitrile gloves or neoprene rubber.

Skin Protection

upper limb protection. Gloves:

- PVC (permeability time 6 hours)
- Nitrile (permeability time of 6 hours)
- Latex (permeability time of 6 hours)
- Neoprene (permeability time of 6 hours)

Leg protection.

- Boots resistant to chemicals

Body protection.

- Apron chemical resistant

Personnel should wear protective clothing and all parts of the body should be washed after contact. Care should be taken in the selection of protective clothing to prevent the inflammation and irritation of the skin of the neck and wrists through contact with the powder.

respiratory protection

Respirator: Use protective mask with ABEK-P2 filter.

General safety and hygiene measures

At work do not eat, drink or smoke.

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Liquid	
Odour	Not determined	
Odour threshold	Not determined	
pH	5,5 - 6,5	
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)	Irrelevant	
Upper/lower flammability or explosive limits	Not determined	
Vapour pressure	Not determined	
Vapour density	Not determined	
Relative density	1,15 - 1,25 kg/dm ³	
Solubility	100% in H ₂ O	
Water solubility	100%	
Partition coefficient: n-octanol/water	Not determined	
Auto-ignition temperature	Not determined	
Decomposition temperature	Not determined	
Viscosity	Not determined	
Explosive properties	Not determined	

Physical and chemical properties	Value	Determination method
Oxidising properties	Not determined	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

Related to contained substances:

phosphoric acid 75 %:

It may give violent reaction. In contact with water may be an exothermic reaction. In contact with reactive metals (mild steel, aluminum etc) can develop hydrogen (explosive). Reaction with reducing agents.

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 oxidants mineral acids, elementary metals.

It can ignite in contact with elementary metals, organic peroxides, organic water peroxides.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. 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: phosphoric acid 75 %: acute effects

Acute oral toxicity

Parameter: LD50 (Phosphoric acid; CAS: 7664-38-2)

Route of Exposure: Orally

Species: Rat

Effective Dose: ca. 2600 mg / kg bw / day

Acute dermal toxicity

Parameter: LD50 (Phosphoric acid; CAS: 7664-38-2)

Route of Exposure: Dermal

Species: Rabbit

Effective Dose: = 2740 mg / kg bw / day

(b) skin corrosion/irritation phosphoric acid 75 %: Strong caustic effect on skin and mucous membranes.
phosphoric acid 75 %: Strong caustic effect on skin and mucous membranes.

(c) serious eye damage/irritation: phosphoric acid 75 %: On the eye: highly caustic.
phosphoric acid 75 %: On the eye: highly caustic.

(d) respiratory or skin sensitization: phosphoric acid 75 %: No irritant effect.

(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: phosphoric acid 75 %: CMR effects (carcinogenicity, mutagenicity and toxic for reproduction)

Reproductive toxicity

Developmental toxicity / teratogenicity

Essay on reproductive toxicity in a generation

Parameter: NOAEL (C) (Phosphoric acid; CAS: 7664-38-2)

Species: Rat

Effective Dose: > = 500 mg / kg bw / day

(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 phosphoric acid 75 %: subacute oral toxicity

Parameter: NOAEL (C) (Phosphoric acid; CAS: 7664-38-2)

Route of Exposure: Orally

Species: Rat

Effective Dose: 250 mg / kg

(j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

phosphoric acid 75 %:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

Inhalation risk A harmful contamination will not be achieved at all or will very slowly on evaporation of this substance at 20 ° C.

EFFECTS OF SHORT-TERM EXPOSURE: The substance 'corrosive to the eyes, the skin and the respiratory tract. Corrosive on ingestion.

ACUTE HAZARDS / SYMPTOMS:

Inhalation Burning sensation. Cough. Heavy breath. Sore throat.

SKIN: Redness. Ache. skin burns. Blisters.

EYES: Pain. Redness. Severe deep burns.

Ingestion: Abdominal pain. Burning sensation. Shock or collapse.

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:

phosphoric acid 75 %:

ENVIRONMENTAL EFFECTS: acid, nutrient for undesirable algae.

ECOTOXICITY ':

Gambusia TLm 138 mg / l 24/26 hours in murky water 22-24 °

Aquatic toxicity

Acute (short-term) fish

Parameter: LC50 (Phosphoric acid; CAS: 7664-38-2)

Species: Lepomis macrochirus

Effective Dose: 3 to 3.25 pH

Exposure time: 96 h

Acute (short-term) daphnia toxicity

Parameter: EC50 (Phosphoric acid; CAS: 7664-38-2)

Species: Daphnia magna

Effective Dose: > 100 mg / l

Exposure time: 48 h
Acute (short-term) algae toxicity
Parameter: EC50 (Phosphoric acid; CAS: 7664-38-2)
Species: *Desmodesmus subspicatus*
Effective Dose: > 100 mg / l
Exposure time: 72 h

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

12.2. Persistence and degradability

Related to contained substances:
phosphoric acid 75 %:
Persistence: While the acidity can be neutralized by natural water hardness, the phosphate may persist indefinitely.

12.3. Bioaccumulative potential

Related to contained substances:
phosphoric acid 75 %:
Bioaccumulation potential: none.

12.4. Mobility in soil

Related to contained substances:
phosphoric acid 75 %:
This substance is highly soluble and dissociates in water.

12.5. Results of PBT and vPvB assessment

Substance/mixture does not meet the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

SECTION 13. 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

SECTION 14. 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.

SECTION 15. Regulatory information

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

Related to contained substances:

phosphoric acid 75 %:

EU regulations

Directive 67/548 / EEC (Classification, Packaging and Labelling of dangerous substances) and subsequent amendments.

Directive 1999/45 / EC (Classification, Packaging and Labelling of dangerous preparations) and subsequent amendments.

Regulation n °. 1907/2006 / EC (REACH).

Regulation n °. 1272/2008 / EC (CLP).

Regulation n °. 790/2009 / EC (amending, for the purposes of adaptation to technical and scientific progress, ATP Regulation no. 1272/2008 / EC).

EU Regulation 286/2011 (amending, for the purposes of adaptation to scientific and technical progress (ATP) of the Regulation no. 1272/2008 / EC).

EU Regulation 618/2012 (amending, for the purposes of adaptation to scientific and technical progress (ATP) of the Regulation no. 1272/2008 / EC).

EU Regulation 487/2013 (amending, for the purposes of adaptation to scientific and technical progress (ATP) of the Regulation no. 1272/2008 / EC).

Regulation 830/2015 / EU (amending Regulation (EC) no. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Permissions and / or restrictions on the use

Restricted substance in accordance with Annex XVII to Regulation (EC) 1907/2006. (Restriction num. 3)

Other EU regulations

Regulation (EC) 1907/2006: Substance that generates high concern (SVHC) included in the candidate list No / No

National regulations

Italy: Legislative Decree 81/2008 (Consolidated Law concerning the protection of health and safety in the

workplace), as amended, and Directive 2009/161 / EU - chemical risk assessment in accordance with Title IX Hazard Class (WGK)

Class: 1 (Slightly water pollutant.) Classification according to VwVwS

Further rules, limitations and legal requirements

Ordinance (BetrSichV)

calculation specifications (20)

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

SECTION 16. Other information

16.1. Other information

Classification based on data of all mixture components

Regulation references:

Directive 67/548 29 ° adaptation

Directive 1999/45 / EC

Directive 2001/60 / EC

Regulation EC 1907/2006

Regulation EC 1272/2008

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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.