

## SORIK A

## SECTION 1 – Identification of the substance/mixture and of the company/undertaking

|   |  |
|---|--|
| 1.1 – Product identifier  | SORIK A  |
| 1.2 – Relevant identified uses of the substance or mixture and uses advised against | <i>Relevant identified uses:</i> water based extinguishing agent additive.<br><i>Uses advised against:</i> uses other than those identified as relevant.   |
| 1.3 – Details of the supplier of the safety data sheet                              | ANAF FIRE PROTECTION S.P.A.<br>Via del Commercio, 4<br>27020 Torre d'Isola (PV), Italy<br>Tel.: +39 (0)382 45 33<br>Fax.: + 39 (0)283 92 02 79<br>e-mail: <a href="mailto:info@anaf.eu">info@anaf.eu</a><br>internet: <a href="http://www.anaf.eu">www.anaf.eu</a> |
| 1.4 – Emergency telephone number  | Tel.: +39 (0)382 45 33<br>Number available only at the following:<br>8.30-12.30, 13.30-17.30 (UTC) – Monday to Friday  |

## SECTION 2 – Hazards identification

|  |   |
|--|---|
| 2.1 – Classification of the substance or mixture | <i>Classification of the substance or mixture according to Reg. (EC) no. 1272/2008</i><br>The product does not meet the classification criteria in any hazard class in accordance with Regulation (EC) no. 1272/2008 relating to the classification, labelling and packaging of substances and mixtures.  |
| 2.2 – Label elements                             | Pictograms: <i>none</i><br><br>Warning: <i>none</i><br><br>Hazard statements: <i>none</i><br><br>Precautionary statements: <i>none</i>  |
| 2.3 – Other hazards                              | <i>PBT, vPvB identification:</i> the mixture does not contain substances that meet the criteria set out in Annex XIII of Reg. 1907/2006 (REACH) as PBT or vPvB.<br><br><i>Properties as an endocrine disruptor:</i> the mixture does not contain substances included in the list of art. 59, par. 1, of Reg. 1907/2006 (REACH) due to properties of interference with the endocrine system.<br>The mixture does not contain substances identified as disrupting the endocrine system in accordance with the criteria established in Reg. (EU) 2017/2100 or in Reg. (EU) 2018/605.<br><br><i>Information on other hazards which do not lead to classification:</i><br>By thermal decomposition, the product can generate vapours, ammonia fumes and phosphorus oxides. |

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### SECTION 3 – Composition/information on ingredients

**3.1 – Substances** Not relevant..

**3.2 – Mixtures**

There are no substances that require the obligation to indicate pursuant to Annex II, point 3.2, of Reg. (EC) n. 1907/2006.

### SECTION 4 – First aid measures

**4.1 – Description of first aid measures** Inhalation: ventilate the area. Wash contaminated clothing before using it again. Provide oxygen in case of shortness of breath. Remain under medical supervision for at least 48 hours. Show the safety data sheets to the doctor. Do not perform either mouth-to-mouth or mouth-to-nose artificial respiration. Use suitable tools/equipment.

Skin contact (of the pure product): wash with warm soap and water.

Eye contact: Immediately flush with plenty of water for at least 15 minutes while holding the eyelid open and protecting the unaffected eye. Seek medical advice. May cause irritation.

Ingestion: seek medical advice immediately (show MSDS where possible). Do not induce vomiting.

**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** Suitable extinguishing media: non-combustible. Use fire-extinguishing methods suitable for the particular circumstances and environment.

Unsuitable fire-extinguishing media: not applicable.

**5.2 – Special hazards arising from the substance or mixture** Thermal decomposition can generate fumes, ammonia and phosphorous oxides.

**5.3 – Advice for firefighters** No data available.

### SECTION 6 – Accidental release measures

**6.1 – Personal precautions, protective equipment and emergency procedures** 6.1.1 For those not directly involved: wear personal protective equipment. In the event of a spill, the ground may become slippery.

6.1.2 For those who are directly involved: wear personal protective equipment. In the event of a spill, the ground may become slippery.

**6.2 – Environmental precautions** Do not discharge into the environment. Do not discharge into surface water, the sewer system or soil.

**6.3 – Methods and material for containment and cleaning up** 6.3.1 For containment: dry with absorbent material (e.g. clothes, soft cloths). Use mechanical handling equipment. Keep in suitable closed containers.

6.3.2 For cleaning: do not clean with detergents, but rather dry the product.

6.3.3 Other information: nothing in particular.

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**6.4 – Reference to other sections** Refer to sections 8 and 13 for more information.

### SECTION 7 – Handling and storage

**7.1 – Precautions for safe handling** Do not mix concentrated products directly.

**7.2 – Conditions for safe storage, including any incompatibilities** Store in the original, closed container. Store in a cool, dry, ventilated place protected from humidity and adverse weather.  
Store at a temperature between -10°C and 50°C.

**7.3 – Specific end use(s)** Professional uses: follow good hygiene in the workplace.

### SECTION 8 – Exposure controls/personal protection

**8.1 – Control parameters** No data available.

**8.2 – Exposure controls**

*8.2.1 Appropriate technical controls*  
Avoid contact with skin, eyes and clothing. Wear waterproof gloves and eye/face protection. Do not eat or drink during use.

*8.2.2. Individual protection*  
Eye/face protection: wear eye/face protection with side shields.  
Hand protection: wear waterproof safety gloves when handling the product.  
Other: wear normal work clothes.  
Respiratory protection: not required for normal use.  
Thermal hazards: no hazards to report.  
Environmental exposure controls: use according to good working practices, avoiding dispersal of the product in the environment.

### SECTION 9 – Physical and chemical properties

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

|  |                                     |
|--|-------------------------------------|
| <i>a. physical state</i>   | liquid                              |
| <i>b. colour</i>   | clear                               |
| <i>c. odour</i>  | data not available for the mixture  |
| <i>d. melting point/freezing point</i>                             | data not available for the mixture  |
| <i>e. boiling point or initial boiling point and boiling range</i> | -12 °C                              |
| <i>f. flammability</i>   | not flammable (extinguishing agent) |
| <i>g. lower and upper explosion limit</i>                          | not relevant (extinguishing agent)  |
| <i>h. flash point</i>  | >100 °C                             |
| <i>i. auto-ignition temperature</i>                                | data not available for the mixture  |
| <i>j. decomposition temperature</i>                                | data not available for the mixture  |
| <i>k. pH</i>   | 7,9 at 20 °C                        |
| <i>l. kinematic viscosity</i>                                      | 7 cP                                |

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|                                |   |   |
|--------------------------------|---|---|
|                                | <i>m. solubility</i>  | completely soluble in water at all concentrations |
|                                | <i>n. partition coefficient n-octanol/water (log value)</i>                   | data not available for the mixture                |
|                                | <i>o. vapour pressure</i>   | data not available for the mixture                |
|                                | <i>p. density and/or relative density</i>                                     | 1,16 g/mL at 25 °C                                |
|                                | <i>q. relative vapour density</i>   | data not available for the mixture                |
|                                | <i>r. particle characteristics</i>  | data not available for the mixture                |
| <b>9.2 – Other information</b> | <i>Information relating to physical hazard classes:</i><br>no data available. |   |

**SECTION 10 – Stability and reactivity**

|  |  |
|--|--|
| <b>10.1 – Reactivity</b>                         | No risk of reactivity.   |
| <b>10.2 – Chemical stability</b>                 | Stable under the recommended storage conditions.   |
| <b>10.3 – Possibility of hazardous reactions</b> | Avoid contact with strong oxidants.  |
| <b>10.4 – Conditions to avoid</b>                | No data available.   |
| <b>10.5 – Incompatible materials</b>             | Strong oxidising agents.   |
| <b>10.6 – Hazardous decomposition products</b>   | No thermal decomposition if stored and used as directed.<br>Thermal decomposition occurs at temperatures > 70°C with the development of ammonia. |

**SECTION 11 – Toxicological information**

ATE(mix) oral = ∞

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

|  |   |
|--|---|
| <b>11.1 – Information on hazard classes as defined in Regulation (EC) No 1272/2008</b> | <b>a. acute toxicity:</b><br>based on available data, the classification criteria are not met.  |
|  | <b>b. skin corrosion/irritation:</b><br>irritant  |
|  | <b>c. serious eye damage/irritation:</b><br>irritant.   |
|  | <b>d. respiratory or skin sensitisation:</b><br>irritant.   |
|  | <b>e. germ cell mutagenicity:</b><br>based on available data, the classification criteria are not met.  |
|  | <b>f. carcinogenicity:</b><br>based on available data, the classification criteria are not met.   |
|  | <b>g. reproductive toxicity:</b><br>based on available data, the classification criteria are not met.   |
|  | <b>h. STOT-single exposure:</b><br>based on available data, the classification criteria are not met.  |
|  | <b>i. STOT-repeated exposure:</b><br>Repeated or prolonged contact with the mixture may eliminate the protective fatty layer of the skin, leading to non-allergic contact dermatitis and absorption through the skin. |
|  | <b>j. aspiration hazard:</b>  |

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based on available data, the classification criteria are not met.

**11.2 – Information on other hazards**

- a. **endocrine disrupting properties:**  
The mixture does not contain any endocrine-disrupting substances.
- b. **other information:**  
no data available.

**SECTION 12 – Ecological information**

**12.1 – Toxicity**

The product does not contain environmentally hazardous substances or those defined as non-degradable in black water destined for plant treatment.

**12.2 – Persistence and degradability**

Water resulting from subsequent processes should be treated appropriately according to applicable local regulations. The surfactants are more than 90% biodegradable.

**12.3 – Bioaccumulative potential**

Environmental damage is not known or likely to occur with normal use.

**12.4 – Mobility in soil**

No data available.

**12.5 – Results of PBT and vPvB assessment**

No PBT or vPvB identified component is present.

**12.6 – Endocrine disrupting properties**

No data available.

**12.7 – Other adverse effects**

No data available.

**SECTION 13 – Disposal considerations**

**13.1 – Waste treatment methods**

Do not reuse empty containers. Dispose of them in compliance with current regulations. Any product residues must be disposed of in accordance with current regulations by contacting authorized companies.

**SECTION 14 – Transport information**

**14.1 – UN number or ID number**

| Regulations      | UN number      |
|------------------|----------------|
| ADR/RID/ADN      | not applicable |
| IMDG Code        |                |
| ICAO-TI/IATA-DGR |                |

**14.2 – UN proper shipping name**

| Regulations      | Proper shipping number |
|------------------|------------------------|
| ADR/RID/ADN      | not applicable         |
| IMDG Code        |                        |
| ICAO-TI/IATA-DGR |                        |

**14.3 – Transport hazard class(es)**

| Regulations      | Transport hazard class(es) |
|------------------|----------------------------|
| ADR/RID/ADN      | not applicable             |
| IMDG Code        |                            |
| ICAO-TI/IATA-DGR |                            |

**14.4 – Packing group**

| Regulations      | Packing group  |
|------------------|----------------|
| ADR/RID/ADN      | not applicable |
| IMDG Code        |                |
| ICAO-TI/IATA-DGR |                |

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|   |                     |                              |
|---|---------------------|------------------------------|
| <b>14.5 – Environmental hazards</b>                                   | <b>Regulations</b>  | <b>Environmental hazards</b> |
|   | ADR/RID/ADN         | not applicable               |
|   | IMDG Code           |                              |
|   | ICAO-TI/IATA-DGR    |                              |
| <b>14.6 – Special precautions for user</b>                            | None in particular. |                              |
| <b>14.7 – Maritime transport in bulk according to IMO instruments</b> | Not applicable.     |                              |

**SECTION 15 – Regulatory information**

|  |   |
|--|---|
| <b>15.1 – Safety, health and environmental regulations/legislation specific for the substance or mixture</b> | Reg. (EC) n. 1907/2006 (REACH)<br>Water Contamination Class: 1 – Slightly contaminates the water. |
| <b>15.2 – Chemical safety assessment</b>   | The supplier has not carried out a chemical safety assessment.                                    |

**SECTION 16 – Other information**

**Document information**

The product described in the SDS falls within the scope of the art. 32 of the Reg. (EC) 1907/2006, for which there is an obligation to communicate certain information downstream of the supply chain. However, the product supplier has drawn up this document, on a voluntary basis, according to the standard required for SDSs, as governed by Annex II of Reg. (EC) 1907/2006 as updated by Reg. (EU) 2020/878.

**Notice to users**

This document is intended to provide guidance: 1) for appropriate and careful handling of the product by qualified personnel or personnel who work under the supervision of personnel skilled in the handling of chemical substances; 2) for emergency management; 3) for the assessment and management of risks deriving from the use, handling, transport and storage of the product. The product must not be used for purposes other than those indicated in section 1. The information contained in this SDS is based on the knowledge available at the date of compilation relating to the requirements for safety, health, environmental protection and correct use of the product.

The person responsible for this document cannot provide warnings about all the dangers deriving from the use or interaction with other chemicals or materials. The user is responsible for the safe use of the product, the adequacy of the product for the use for which it is applied and its correct disposal.

The information provided is not to be considered a declaration or guarantee, either expressed or implied, of merchantability, fitness for a particular purpose, quality, or of any nature.

The user must bear in mind the possible risks associated with a use other than that for which the product is supplied. This SDS does not in any case dispense the user from knowledge and from the application of the set of regulations pertinent to his activity.

This SDS does not exempt the user from ensuring that he does not have obligations other than those mentioned and regulating the possession and use of the product for which he is solely responsible.

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**Change list**

Rev. 0 – First emission

**Changes from the previous revision**

General – Format being adequate to Annex II REACH as amended by EU Reg. 2020/87

Section 6.2 – Informaion update

Section 6.3 – Informaion update

**Abbreviations and acronyms**

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS [Number]: Chemical American Society [Number]

CE50: Median effective concentration

CL50: Average lethal concentration

DL50: Average lethal dose.

DNEL: Derived No Effect Level.

IARC: International Agency for Research on Cancer

ICAO-TI: International Civil Aviation Organization – Technical Instruction

IMDG-Code: International Maritime Dangerous Goods Code

LEL: Lower Explosion Level

PBT: Persistent, Bioaccumulative, Toxic

RID: European Agreement concerning the International Carriage of Dangerous Goods by Railroad

STOT: Specific Target Organ Toxicity

UEL: Upper Explosion Level

vPvB: very persistent, very Bioaccumulative

**Hazard statements mentioned in the safety data sheet:**

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**Bibliography:**

SDS of similar extinguishing mixtures

ECHA website

IFA-Gestis website