

1 Identification of the substance/mixture and of the company/undertaking

- **1.1. Product identifier**
- **Trade name:** *ARO Multipurpose Cleaner Flower*
- **Article number:** V45332
- **1.2. Relevant identified uses of the substance or mixture and uses advised against** *Universal cleaner*
- **1.3. Details of the supplier of the safety data sheet**
Fosfa akciová společnost
Hranicní 268
691 41 Breclav-Postorna
Czech Republic
Company reg. no.:00152901
Taxpayer reg. no.:298-00152901
Tel.: +420 519 306 111
Fax.:+420 519 326 128
E-mail: fosfa@fosfa.cz
www.fosfa.cz
- **Competent person responsible for the Safety Data Sheet**
E-mail : MSDS@fosfa.cz
Tel.: +420 519 306 335
Tel.: +420 519 306 286
- **1.4. Emergency telephone number:**
Toxicological info center
Na Bojisti 1
120 00 Praha 2
Czech Republic
+420 224 919 293, +420 224 915 402 (nonstop)
e-mail: tis@mbox.cesnet.cz

2 Hazards identification

- **2.1. Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** *Not applicable.*
- **Information concerning particular hazards for human and environment:**
Based on calculation method from directive act no. 232/2004 of Czech Act Coll. as amended and Council Directive 67/548/EE as amended, product has no dangerous properties.
- **Classification system:**
The classification is accordance with the latest editions of the EU-lists and extended by company and literature data.

- **2.2. Label elements**
- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
Chemical Safety Assessment has been carried out for product. In according to calculation method from directive Act No 232/2004 of Czech Act Coll as amended and Council Directive 67/548/EE as amended, product has not dangerous properties.
- **Safety phrases:**
2 Keep out of the reach of children.
- **2.3. Other hazards:** *No known.*
- **Classification system:**
- **Eye contact:** *May cause irritation.*
- **Skin contact:** *Prolonged exposure may cause skin irritation.*
- **Ingestion:** *Can cause mild stomach and intestinal irritation associated with nausea and vomiting.*
- **Inhalation:** *Inhaling of aerosolized product may cause mild irritation of the respiratory system.*
- **Other hazards** *Not*
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*

(Contd. on page 2)

Trade name: ARO Multipurpose Cleaner Flower

(Contd. of page 1)

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· 3.2. Mixtures

· **Description:** Mixture: consisting of the following components.

CAS NO.	Description	%	Index R-phrases
CAS: 9004-82-4 Polymer	poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt ☒ Xi R36/38 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-10%	
CAS: 157627-86-6 Polymer	alcohols, C13-15, branched and linear, ethoxylated ☒ Xn R22; ☒ Xi R41 ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	≤ 2.5%	

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· 4.1. Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

· Information for doctor:

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

No further relevant information available.

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

No further relevant information available.

5 Firefighting measures

· **5.1. Extinguishing media** Use fire extinguishing methods suitable to surrounding conditions.

· **Extinguishing media which shall not be used for safety reasons:**

They are not known. Use fire extinguishing methods suitable to surrounding conditions.

· **5.2. Special hazards arising from the substance or mixture** It is not known.

· **5.3. Advice for firefighters:** Wear fully protective suit.

· **Additional information** Not explosive. Not auto-flammable. Not flammable.

6 Accidental release measures

· **6.1. Personal precautions, protective equipment and emergency procedures** Not required.

· **6.2. Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· **6.3. Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

· **6.4. Reference to other sections**

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Trade name: ARO Multipurpose Cleaner Flower

(Contd. of page 2)

7 Handling and storage

- **7.1. Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2. Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** Store in a cool and dry area.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Recommended storage temperature:** 5 - 25 °C
- **7.3. Specific end use(s)** According to advices on package of product.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** see item 5, 6, 7
- **Control parameters**
- **8.1. Control parameters:**
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2. Exposure controls**
- **8.2.1. Occupational exposure controls:**
 The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Hand protection:** In case of long term contact use protective gloves or protective skin cream
- **Material of gloves** Latex or rubber
- **Penetration time of glove material**
 The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling
- **Skin protection:** Protective work clothing
- **8.2.2. Exposure controls of users/consumers:**
 Not a hazard in normal use. No personal protective equipment required.
 Protective gloves are recommended for people with sensitive skin.
 Keep away from foodstuffs, beverages and feed.
 Avoid contact with the eyes and skin.
 Wash hands at the end of work with product.
- **8.2.3. Environmental exposure controls:**
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

9 Physical and chemical properties

· 9.1. Information on basic physical and chemical properties

- **Appearance:**
- Physical state:** Liquid
- Colour:** Pink
- **Odour:** Like perfume
- **Odour threshold:** Not determined.

· **pH-value at 25°C (77 °F):** 5 - 7

· 9.2. Important health, safety and environmental information:

- Melting point/Melting range:** Undetermined.
- Boiling point/Boiling range:** Undetermined.

(Contd. on page 4)

Trade name: ARO Multipurpose Cleaner Flower

(Contd. of page 3)

· Flash point:	Not applicable.
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	
· Decomposition temperature:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Oxidising properties:	None.
· Vapour pressure:	Undetermined.
· Density at 20°C (68 °F):	0.9-1.1 g/cm ³ (7.511-9.18 lbs/gal)
· Relative density:	Not determined.
· Vapour density:	Not determined.
· Evaporation rate:	Not applicable.
· Solubility:	
· Water solubility:	Easily soluble.
· Partition coefficient: n-octanol/water:	Undetermined.
· Viscosity:	
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· 9.2. Other information	No further relevant information available.

10 Stability and reactivity

- **10.1. Reactivity** No known.
- **10.2. Chemical stability** Stable in recommended storage conditions.
- **10.3. Possibility of hazardous reactions** No dangerous reactions known.
- **10.4. Conditions to avoid** No further relevant information available.
- **10.5. Incompatible materials:** No further relevant information available.
- **10.6. Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **11.1. Information on toxicological effects**
- **Acute toxicity:** Undetermined.
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **Toxicokinetics, metabolism and distribution:** Undetermined
- **Acute effects (acute toxicity, irritation and corrosivity):** No known.
- **Sensitisation:** No known.
- **Repeated dose toxicity:** No known.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):** No known.

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(Contd. on page 5)

Trade name: ARO Multipurpose Cleaner Flower

(Contd. of page 4)

12 Ecological information

- **12.1. Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **12.2. Persistence and degradability**
 The surfactants contained in this preparation comply with the biodegradability criteria according to Corrigendum to Regulation (EC) No 648/2004 of the European Parliament and of the Council concerning the detergents, as amended.
- **Behaviour in environmental systems:**
- **12.3. Bioaccumulative potential** No further relevant information available.
- **12.4. Mobility in soil** No further relevant information available.
- **12.5. Results of PBT and vPvB assessment** Undetermined.
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6. Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1. Waste treatment methods**
- **Recommendation**
 Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts according to act number 185/2001 Sb. of Czech Act Coll., as amended.
- **Waste disposal key:**
 07 06 99 Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics, wastes not otherwise specified
 20 01 29* Detergents containing dangerous substances
- **Uncleaned packaging:**
 Waste disposal key:
 15 01 02 Plastic packaging
 Dispose of empty and properly cleared package to the collection centre of sorted waste.
 Waste disposal key:
 15 01 01 Paper and cardboard packaging
 15 01 02 Plastic packaging
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

non hazard classification according to ADR

- **Land transport ADR/RID (cross-border)**
- **Transport hazard class(es):** -

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

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(Contd. on page 6)

Trade name: ARO Multipurpose Cleaner Flower

(Contd. of page 5)

15 Regulatory information

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

· **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

Chemical Safety Assessment has been carried out for product. In according to calculation method from directive Act No 232/2004 of Czech Act Coll as amended and Council Directive 67/548/EE as amended, product has not dangerous properties.

· **Safety phrases:**

2 Keep out of the reach of children.

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

anionic surfactants, non-ionic surfactants, perfumes, METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE	< 5%
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· **EU directives:**

Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended.

Corrigendum to Regulation (EC) No 648/2004 of the European Parliament and of the Council concerning the detergents, as amended.

2000/532/EC: Commission Decision of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended.

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances, as amended.

Regulation of the European Parliament and of the Council (EC) No 1272/2008 of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **15.2. Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

R22 Harmful if swallowed.

R36/38 Irritating to eyes and skin.

R41 Risk of serious damage to eyes.

· **Training advice:** Once a year in according to this material safe data sheet

· **Recommended restrictions on use (i.e. non-statutory recommendations by supplier):** none

· **Further information (written references and/or technical contact point):**

E-mail : MSDS@fosfa.cz

e-mail: msds@fosfa.cz

· **Sources of key data used to compile the Safety Data Sheet:** Material safe data sheets of substances.