

SAFETY DATA SHEET



(with accordance to ES 1907/2006 REACH and ES No. 453/2010,
appendix I)

Name:	ARO washing powder 3kg, 9kg	
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SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/ UNDERTAKING:

- 1.1 **Product identifier:** **ARO washing powder 3kg,9kg**
Other names: ----
- 1.2 **Relevant identified uses of the substance or mixture** Washing powder intended for washing of universal laundry
and uses advised against: Don't use for other purposes than stated on the label.
- 1.3 **Details of the supplier of the safety data sheet**
Producer:
Company name: **SOLIRA Company s.r.o.**
Office adress: Pramenná č.ev. 3, Kunratice 148 00 Praha 4, CZ
Telephone number: 00420518366001
Fax number: 00420518366190
Responsible person: **Ing. Michaela Pekaříková**
Email adress of the competent person responsible for the Safety Data Sheet: pekarikova@solira.cz
- 1.4 **Emergency telephone number:**

SECTION 2. HAZARDS IDENTIFICATION:

- 2.1 **Classification of the substance or mixture:**
Classification according to Regulation (EC) no. 1272/2008 - CLP
Eye Irrit 2, H319
Skin Irrit 2, H315
Classification with accordance to 1999/45/EHS or 67/548/EHS:
Mixture is not classified as dangerous.
- 2.2 **Label elements:**
Labelling in accordance with Regulation (EC) no. 1272/2008. The product is classified and labeled according to the CLP regulation.
Pictogram:

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Signal word: Warning

Standard sentence about hazard:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

Instructions for safe treatment:

P264 Wash hands thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice.

Additional sentence:

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Labelling with accordance to 1999/45/EHS or 67/548/EHS:

Symbol:

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R-phrases:

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S-phrases:

Labelling:

Ingredients: < 5% anionic surfactants , <5% nonionic surfactants, perfume.

2.3 Other hazards:

Mixture doesn't meet criteria PBT or vPvB.

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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS:

3.1 Substances:

Not applicable

3.2 Mixtures:

3.2.1 Compounds in the mixture:

CAS	EINECS	Compound	Concentration %	Classification with accordance to 67/548/EHS (DSD)	Classification with accordance to (ES) No. 1272/2008(CLP)
68411-30-3 NA	270-115-0	Dodecylbenzensulfonát sodný	< 1	Xn; R 22 Xi; R 38-41	Acute Tox. 4; H302 Eye Dam. 1; H318, Skin Irrit. 2; H315
10213-79-3 01- 2119449811- 37	229-912-9	Disodium metasilicate	< 2	C; R 34 Xi; R 37	Met. Corr. 1; H290 Skin Corr. 1B; H314 STOT SE 3; H335
497-19-8 01- 2119485498- 19	207-838-8	Sodium carbonate	5 - 10	Xi; R 36	Eye Irrit. 2; H319
103819-01-8 NA	polymer	C12-14 alkohol 7EO	< 1	Xn; R22 Xi; R 36/38	Acute Tox. 4; H302 Eye Dam. 1; H318,

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-	-	Parfém	< 0,1	Xi; R 43 N; R 52-53	Skin Sens. 1; H317 Aquatic Chronic 3; H412
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Symbol meanings, R-phrases are stated in chapter 16. Symbol meanings and R-phrases, H-phrases and S-phrases in chapter 2.2 and 16.

SECTION 4. FIRST AID MEASURES:

4.1 Description of first aid measures:

General Instructions:

In case of health problems or questions, a doctor must be notified and provided with information from this Safety Data Sheet.

Inhalation:

In case of inhaling the aerosol, remove the affected individual to fresh air. In case of constant problems contact a doctor.

Skin Contact:

Immediately wash with water; in case of painful flare or blisters contact a doctor.

Eye Contact:

Open eyelids, wash the affected eye thoroughly with a great amount of water (approximately 15 minutes) and contact a doctor.

Ingestion:

Rinse mouth with water, drink a greater amount of water, do not induce vomiting and contact a doctor

4.2 Most important symptoms and effects, both acute and delayed

None.

4.3 Indication of any immediate medical attention and special treatment needed

Secure medical attention for eye contact, ingestion and persistence irritant effects (show the label of the product).

SECTION 5. FIRE-FIGHTING MEASURES:

5.1 Extinguishing media:

Suitable extinguishing media:

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All common fire extinguishers. The agent does not burn on its own.

Unsuitable fire extinguishers:

None.

5.2 Special hazards arising from the substance or mixture:

Resulting gasses.

5.3 Advice for fire-fighters:

Breathing apparatus with independent air feed, protective clothing

SECTION 6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures:

Persons not participating in the disposal of leakage should be kept away; avoid skin and eye contact. Use personal protective working means.

6.2 Environmental precautions:

Use the instructions. In case of accidental concentrate leakage avoid penetration into surface, underground and sewer water, in soil and sewerage by means of using sand or other suitable barriers.

6.3 Methods and material for containment and cleaning up:

Sweep any agent's residuem and collect them in a substitute container.

6.4 Reference to other section:

See chapter 8 and 13.

SECTION 7. HANDLING AND STORAGE:

7.1 Precautions for safe handling:

Wear work and protective equipment. Avoid skin and eyes, follow safety instructions on packaging. Avodi dust.
Observe precaution for handling with chemicals.

7.2 Conditions for safe storage, including any incompatibilities:

Material storage instructions:

Store in original, tightly closed covers; store out of children's reach, separately from food and drinks.
Storage temperature from 5 to 25 Celsius. Store dry.

7.3 Specific end use(s):

On the label.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

8.1 Control parameters:

Relevant exposure limits (REL) and the highest relevant concentrations are under the governmental Regulation No. 93/2012 Coll., as amended for:

Component	CAS	PEL	NPK-P	Notice	Conversion factor to ppm
Carbonates of alkali metals	497-19-8	5 mg.m ⁻³	10 mg.m ⁻³	I	-

Limit values of biological exposure tests:

None.

8.2 Exposure controls:

Occupational exposure controls:

Follow recommended exposure limits, secure sufficient ventilation and/or workplace exhaust system.

Appropriate engineering controls:

At work don't eat, don't drink and don't smoke. Do not touch the eyes with dirty hands. After work wash hands with warm water and soap.

Individual protection measures, such as personal protective equipment:

Eye/face protection:

Not necessary when used as recommended.

Skin protection:

Not necessary when used as recommended. After work, before the lunch wash hands with warm water and soap. Contaminated clothing wash before other using.

Hand protection:

Not necessary when used as recommended.

Respiratory protection:

Not necessary when used as recommended.

Thermal hazards:

None.

Environmental exposure controls:

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Follow usual environmental precautions; in case of accident avoid soil contamination and leakage of the agent in surface, underground and waste water and sewerage.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 Information on basic physical and chemical properties:

Appearance (at 20 °C):	White powder with colour particles
Odour:	Fresh
Odour threshold:	Not specified
pH value (at 20°C):	10 - 11,5 (1% solution)
Melting/freezing point (°C):	Not specified
Boiling point:	Not specified
Flash point (°C):	Not specified
Flammability:	Non flammable
Explosive limits: upper limit (% volume):	Not applicable, mixture is not explosive
Lower limit (% volume):	Not applicable, mixture is not explosive
Vapour pressure (at 20°C) :	Not specified
Vapour density:	Not specified
Bulk density (at 20°C):	900 - 1100g/l
Solubility (at 20°C):	- in water: Soluble
	- in fats: Not specified
Partition coefficient: n-octanol/water:	Not specified
Auto-ignition temperature	Not specified
Decomposition temperature:	Not specified
Viscosity	Not specified
Explosive properties	Not specified
Oxidising properties	None

9.2 Other information:

Biocid components:	None
Volatile substances:	None

SECTION 10. STABILITY AND REACTIVITY:

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10.1 **Reactivity:**

When used and stored as recommended, mixture is stable.

10.2 **Chemical stability:**

When used and stored as recommended, mixture is stable.

10.3 **Possibility of hazardous reactions:**

When used for a specific purpose there is not risk of hazardous reactions At fire can liberates CO, CO₂ gases.

10.4 **Conditions to avoid:**

None.

10.5 **Incompatible materials:**

None.

10.6 **Hazardous decomposition products:**

None.

SECTION 11. TOXICOLOGICAL INFORMATION:

11.1 **Information on toxicological effects:**

The agent has not been toxicologically tested.

Acute toxicity: For compounds:

LD 50:

Compound	CAS	Toxicity	Value	Unit
Sodium carbonate	497-19-8	LD50- oral rat	4090-5600	mg/kg
Sodium percarbonate	15630-89-4	LD50- oral rat	1034-2000	mg/kg
Sodium percarbonate	15630-89-4	LD50-oral mouse	2050-2200	mg/kg

Irritation: Classified as causes serious eye irritation and skin irritation.

Corrosivity: None.

Sensitization: None.

Repeated dose toxicity: None.

Carcinogenicity: None.

Mutagenicity: None.

Toxicity for reproduction: None.

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Other information about dangerous properties see chapter 3.

SECTION 12. ECOLOGICAL INFORMATION:

The agent's properties causing risk for the environment has not been tested.

12.1 **Toxicity:** Not determined for agent. For compounds:

- LC50, 96 hours, fish (mg.l-1):

Compound	CAS	Toxicity	Value	Unit
Sodium carbonate	497-19-8	LD50 – fish (Gambusia affinis)	740	mg/l/ (96h)
Sodium carbonate	497-19-8	LC50- fish (Leuciscus idus)	1600	mg/l/ (48h)

- EC50, 48 hours, dafnie (mg.l-1): Not determined

- IC50, 72 hours, algae (mg.l-1): Not determined

12.2 **Persistence and degradability:** Decomposability of surface-active materials in the product fulfill, as their suppliers assure, the requirements set by the Regulation (ES) No. 648/2004.

12.3 **Bioaccumulative potential:** Not determined

12.4 **Mobility in soil:** Not determined

12.5 **Results of PBT and vPvB assesement:** Not determined

12.6 **Other adverse effects:** None

SECTION 13. DISPOSAL CONSIDERATIONS:

13.1 **Waste treatment methods:**

Dispose of in accordance with Local Authority requirements.

Method of disposal:

Waste code:

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Content:

07 06 Waste from production, processing, distribution and use of fats, lubricants, soaps, detergents, disinfectants and cosmetics

07 06 99 Unspecified waste

Container:

15 01 02 Plastic covers

15 01 01 : Paper and cardboard containers

A container emptied and washed with water may be re-used as a container or it may disposed of in the reusable plastic waste collection system.

SECTION 14. TRANSPORT INFORMATION:

The product does not come under the regulations for the transportation of dangerous goods ADR.

SECTION 15. REGULATORY INFORMATION:**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****EU regulations**

REACH: European Regulation (EC) No.1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended by Regulation (EC) No. 453/2010

The CLP Regulation: Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures, as amended

DSD / DPD: Directive 67/548/EEC and Directive 1999/45/EC

CZ regulations:

Act No. 350/2011 Coll. Law on chemical substances and mixtures and amending certain acts (chemical Act)

Decree 420/2011 Coll. Decree on the evaluation of hazardous properties of chemical substances and mixtures and packaging and labeling of dangerous chemical compounds.

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PERSONAL PROTECTION:

Labor Code, The law on protection of public health, The Decree establishing occupational exposure limits of chemical, physical and biological indicators for the internal environment of buildings some rooms stay, Decree laying down the conditions for the categorization of works, limit values of indicators of biological exposure tests, conditions for the sampling of biological materials for biological exposure tests and requirements for reporting work with asbestos and biological agents

15.2 Chemical Safety Assessment:

Assessment has not been processed

SECTION 16. OTHER INFORMATION:

Revisions:

Revision on 17.12.2014.

A key or legend to abbreviations and acronyms used in the safety data sheet:

Symbols, abbreviations:

Xi - Irritating

Xn - Harmful to health

O - Oxidizing

N - Dangerous for environment

C - Corrosive

Eye Irrit. 2 - Eye irritating, category 2

Acute Tox.4 - Acute toxicity, category 4

Skin Irrit.2 - Skin irritating, category 2

Ox. Sol. 2 - Oxidising solids, category 2

Eye Dam. 1 - Eye damage, category 1

STOT SE3 - Specific target organ toxicity (single exposure) category 3

Skin sens. 1 - May cause an allergic skin reaction category 1

Aquatic chronic 3 - Harmful to aquatic life with long lasting effects, category 3

Met. Corr. 1 - corrosive to metals, category 1

Skin Corr. 1B - Skin corrosion, category 1B

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PBT - persistent, bioaccumulating, toxic (Annex 13 to Regulation (EC) No 1907/2006)

vPvB - very persistent, very bioaccumulating in (Annex 13 to Regulation (EC) No 1907/2006)

R-phrases, hazard statements:

H272 May intensify fire; oxidizer

H302 Harmful if swallowed

H335 May cause respiratory irritation

H317 May cause an allergic skin reaction

H412 Harmful to aquatic life with long lasting effects

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

R22 Harmful if swallowed

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R43 May cause sensitization by skin contact

R36/38 Irritating to eyes and skin

R38 Irritating to skin

R41 Risk of serious damage to eyes

R36 Irritating to eyes

R8 Contact with combustible material may cause fire

R36/37/38 Irritating to eyes and respiratory system and skin

R34 Causes burns.

R37 Irritating to respiratory system.

Training advice:

Workers must have training advice about dangerous properties of material, they must know first aid, improvement scheme, emergency plan, ... They must be apprised of information from Safety Data Sheets of material.

Recommended use limitations:

Information is only a guide for application of this product. Properties or for the results from the application of the mixture which lies outside our control.

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Technical information:

See chapter 1.3

Sources of key data:

Production regulations. Safety data sheets of raw materials used for the production of the mixture, provided by the suppliers of these materials. Act on Chemical Material and Agents, as amended. The list of marketable materials, NLP List, catalogues ALDRICH, MERCK, FLUKA