

DATA INFORMATION SAFETY

INFORMATIVE SHEET
NOT OBLIGATORY, AS THE PRODUCT
IS NOT CLASSIFIED AS HAZARDOUS IN ACCORDANCE WITH NATIONAL AND EUROPEAN
LAWS
NEITHER REQUIRES A SAFETY DATA SHEET IN ACCORDANCE WITH ARTICLE 31 (3) OF THE
REACH REGULATION 1907/06 AS AMENDED BY ART. 59 (2) (B) OF REG 1272/08

Date of completion: 21/05/2014 Date of revision: 05/05/2016 Revision: 1

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Product: **ARMAL WASH**

1. Identification of the preparation and the Company/enterprise **

1.1 Product identifier **ARMAL WASH**

1.2 Relevant identified uses of the substance or mixture:

Product for cleaning and deodorization of bins, washable surfaces, glasses, etc

1.3 Details of the supplier of the safety data sheet:

ARMAL S.R.L.
Via Fiorentina, 109
50052 Certaldo (FI)
Tel. 0571/663455

1.4 Emergency phone number

0571/663455 (Call during office hours)

e-mail TC: paolaulivi@dangerandsafety.it

2. Hazards identification **

2.1 Classification of the substance or mixture

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

This mixture is not dangerous under Regulations (EC) 1272/2008 and 790/2009 and subsequent amendments.

Hazard statement Code(s):

None

2.2. Label elements:

Pictogram, Signal Word Code(s):

None

Hazard statement Code(s):

None

Precautionary statements:

none

2.3 Other hazards:

None

3. Composition/Information on ingredients **

3.2 Mixtures

Contains: biological activator complex of plant essences, enzymatic component, mineral salts and organic supports.

4. First-aid measures **

4.1 Description of first aid measures

Inhalation

Move to a ventilated area. If breathing is difficult, seek medical advice.

Skin contact

Wash with water and soap. In case of irritation seek medical attention.

Eyes contact

Wash with plenty of water. In case of irritation seek medical advice.

Ingestion

Rinse the mouth. In case of malaise consult a doctor.

Other

Change contaminated clothing.

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

Not available

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

not available

5. Fire-fighting measures

5.1 Extinguishing media

Advised extinguishing agents:

CO₂, nebulized water, foam, chemical powder

Unappropriate extinction methods:

none

5.2. Special hazards arising from the substance or mixture

The product under fire condition may develop irritant/toxic gas

5.3. Advice for firefighters

Wear the fire equipment all the time. Water used in fire-fighting has to be disposed following Local regulation.

6. Accidental release measures **

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. In case of vapours use an adequate respiratory protection. Supply a good air circulation. Move away any unauthorised person.

6.2. Environmental precautions

Prevent contamination of surface water, soil and dispersion in the air with suitable means of containment.

6.3. Methods and material for containment and cleaning up

Cover the spillage with inert absorbent material. Collect spillages mechanically. Use water only to remove residuals, so as to avoid the danger of entering the sewer.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information.

7. Handling and storage

7.1. Precautions for safe handling

Follow the good industrial hygiene and safety procedures. Do not smoke, eat or drink during the working processes. Supply good air circulation in working area.

7.2. Conditions for safe storage, including any incompatibilities

Store the packaging closed in a fresh and ventilated area, far from sources of ignition. Store at temperatures between 5-25° C.

7.3. Specific end use(s)

For particular uses of the product, is necessary to refer to the specific information or contact the technical service of the Company.

8. Exposure controls/personal protection **

8.1. Control parameters

None

8.2. Exposure controls

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

Individual protection

The DPI's choice must be done on the basis of the test's results obtained according to the rule EN 374

Hand protection :	: not necessary for normal use
Eye protection	: not necessary for normal use
Skin protection	: not necessary for normal use
Respiratory protection	: not necessary for normal use

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

Physical and chemical properties	Value	Determination method
Appearance	clear orange liquid	
Odour	citrus odour	
Odour threshold	not available	
pH	7.5 ± 0,5	20-25°C
Melting point/freezing point	not available	
Initial boiling point and boiling range	not available	
Flash point	not available	
Evaporation rate	not available	
Flammability (solid, gas)	not pertinent	
Upper/lower flammability or explosive limits	not available	
Vapour pressure	not available	
Vapour density	not available	
Density	1.020 ± 10 g/l	
Solubility	completely soluble in water	
Water solubility	completely soluble	
Partition coefficient: n-octanol/water	not available	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
Viscosity	not available	
Explosive properties	not explosive	
Oxidising properties	not oxidising	

9.2. Other information

Conductivity: 22 ± 5 mS

VOC (Directive 1999/13/CE): -%

10. Stability and reactivity ***10.1. Reactivity*

In contact with strong oxidants exothermal reaction may occur.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions:

In addition to what expressly indicated it is not aware that under different conditions from those of the normal use of hazardous reactions occurring.

10.4. Conditions to avoid:

No data available

10.5. Incompatible materials:

No data available

10.6. Hazardous decomposition products

Due to thermal decomposition or in the event of a fire vapours may be produced potentially dangerous to health

11. Toxicological information **

11.1. Information on toxicological effects

Acute effects:

No episodes of damage to health due to exposure to the product. Anyway, it must be handled carefully according to good industrial practices.

This preparate may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

12. Ecological information **

12.1. Toxicity:

Use this product according to good working practices. This product doesn't contain the pollution. It promotes degradation of pollutant molecules.

12.2. Persistence and degradability

According to the theoretical calculation of the composition of the concentrated product, the biodegradability is > 90% (28 days) There biodegradability increases if the product is diluted.

12.3. Bioaccumulative potential:

not available

12.4. Mobility in soil:

not available

12.5. Results of PBT and vPvB assessment:

No substance PBT and vPvB

12.6. Other adverse effects: not available

This product doesn't contain AOX

13. Disposal considerations

13.1. Waste treatment methods

Operate following the current Local or National Laws.

The non reclaimed containers have to be disposed as the product.

Consider the possibility of burning the product in a suitable incinerator.

14. Transport information **

14.1. UN number

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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

It is not intended to carry bulk

15. Regulatory information **

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

Danger labeling under directives 1272/2008 (EC) and 790/2009 and subsequent amendments.

Regulation	Cas	Substance
Reg. 428/2009 ex Reg. (CE) 1334/2000 All.1	-	-
Reg. (CE) 273/04 Ann I Cat. 1	-	-
Reg. (UE) 1258/2013 (modification Reg (CE) 273/04 Ann. I Cat. 2)	-	-
Reg. (CE) 273/04 Ann I Cat. 3	-	-
Reg. (CE) 1907/2006 Ann. XIV	-	-
Reg. (CE) 1907/2006 Substances SVHC	-	-
Reg. (CE) 1907/2006 Ann. XVII	-	-
2003/105/CE Ann.1 part 1	-	-
2003/105/CE Ann.1 part 2	-	-
2012/18/UE Ann.1 part 1	-	-
2012/18/UE Ann.1 part 2	-	-

15.2. Chemical safety assessment

None

16. Other information **

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Description of the sentences of risk set out in paragraph 3:

N.A.

Classification based by calculation, on data of all components of the mixture

*** Indicates information that has changed from previously issued*

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP) and its amendments and adjustments
3. Regulation (EC) 790 / 2009
4. Regulation (EU) 453/2010
5. Regulation (EU) 830/2015
6. The Merck Index. Ed 10
7. Handling Chemical Safety
8. NIOSH - Registry of Toxic Effects of Chemical Substances
9. INRS - Fiche Toxicologique
10. Patty - Industrial Hygiene and Toxicology
11. NI Sax - Dangerous Properties of Industrial Materials-7, 1989 Edition
12. ADR Directive 2008/68/CE and its amendments and adjustments
13. ECHA Web site <http://echa.europa.eu/web/guest>
14. Directive 2012/18/UE
15. Directive 2009/161/UE

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

This sheet cancels and substitutes any previous edition.