

JABÓN DE BALDEO
Code: 16/590



Version: 1 Date of compilation: 13/12/2011

Date of printing: 07/04/2014

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	<u>PRODUCT IDENTIFIER:</u> JABÓN DE BALDEO Code: 16/590
1.2	<u>RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST:</u> <u>Intended uses (main technical functions):</u> Cleaner. <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Professional <input checked="" type="checkbox"/> Consumers <u>Uses advised against:</u> Not available
1.3	<u>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:</u> NAUTIEL SERVICE, S.L. Pg. Joan de Borbó, 92 - 08003 Barcelona Phone: +34 93 2210869 <u>E-mail address of the person responsible for the safety data sheet:</u> nautiel-service@nautiel.com
1.4	<u>EMERGENCY TELEPHONE NUMBER:</u> +34 93 5880846 (9:00-13:00 / 15:00-18:00 h.) (working hours)

SECTION 2 : HAZARDS IDENTIFICATION

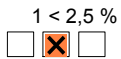
2.1	<u>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:</u> <u>Classification in accordance with Directive 1999/45/EC~2006/8/EC (DPD):</u> Xi:R36
2.2	<u>LABEL ELEMENTS:</u> <div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> </div> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> </div> </div> Xi This product is labelled as IRRITANT in accordance with Directive 67/548/EEC~2009/2/EC and 1999/45/EC~2006/8/EC <u>R-phrases:</u> R36 Irritating to eyes. <u>S-phrases:</u> S2 Keep out of reach of children. S24/25 Avoid contact with skin and eyes. S46 If swallowed, seek medical advice immediately and show this container or label. <u>Supplementary statements:</u> P153 Contains phosphonates < 5 %, anionic surfactants < 5 %, amphoteric surfactants < 5 %, non-ionic surfactants < 5 %, perfumes < 5 %. Do not swallow. <u>Hazardous ingredients:</u> None in a percentage equal to or higher than the limit for the name.
2.3	<u>OTHER HAZARDS:</u> Not applicable.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1	<u>SUBSTANCES:</u> Not applicable.									
3.2	<u>MIXTURES:</u> This product is a mixture. <u>Chemical description:</u> Solution of chemicals in aqueous media. <u>Hazardous ingredients:</u> Substances taking part in a percentage higher than the exemption limit: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; vertical-align: top;"> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> </td> <td style="width: 70%; vertical-align: top;"> 5 < 10 % <u>Citric acid monohydrate</u> CAS: 5949-29-1 , List No. 611-842-9 DSD: Xi:R36 CLP: Eye Irrit. 2:H319 </td> <td style="width: 15%; vertical-align: top; text-align: right;"> Autoclassified </td> </tr> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> </td> <td style="vertical-align: top;"> 1 < 2,5 % <u>Phosphoric acid</u> CAS: 7664-38-2 , EC: 231-633-2 DSD: C:R34 CLP: Skin Corr. 1B:H314 </td> <td style="vertical-align: top; text-align: right;"> Index No. 015-011-00-6 (Note B) < ATP12 < CLP00 </td> </tr> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> </td> <td style="vertical-align: top;"> 1 < 2,5 % <u>Cocoamidopropylbetaine</u> CAS: 61789-40-0 , EC: 263-058-8 DSD: Xi:R36 CLP: Eye Irrit. 2:H319 </td> <td style="vertical-align: top; text-align: right;"> Autoclassified </td> </tr> </table>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	5 < 10 % <u>Citric acid monohydrate</u> CAS: 5949-29-1 , List No. 611-842-9 DSD: Xi:R36 CLP: Eye Irrit. 2:H319	Autoclassified	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	1 < 2,5 % <u>Phosphoric acid</u> CAS: 7664-38-2 , EC: 231-633-2 DSD: C:R34 CLP: Skin Corr. 1B:H314	Index No. 015-011-00-6 (Note B) < ATP12 < CLP00	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	1 < 2,5 % <u>Cocoamidopropylbetaine</u> CAS: 61789-40-0 , EC: 263-058-8 DSD: Xi:R36 CLP: Eye Irrit. 2:H319	Autoclassified
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Oxalic acid
CAS: 144-62-7 , EC: 205-634-3
DSD: Xn:R21/22
CLP: Acute Tox. (skin) 4:H312 | Acute Tox. (oral) 4:H302

Index No. 607-006-00-8
< ATP12
< CLP00

For more information, see sections 8, 11, 12 and 16.

SECTION 4 : FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST-AID MEASURES AND MAIN SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:

4.2  When in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
<u>Inhalation:</u>	Normally does not produce symptoms.	Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.
<u>Skin:</u>	Skin contact may cause slight redness.	Remove immediately contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and a solution of 5% sodium bicarbonate. Finally, rewash the affected area with soap and water.
<u>Eyes:</u>	Contact with the eyes produces redness and pain.	Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Call a physician immediately.
<u>Ingestion:</u>	If swallowed, may cause irritation of the mouth, throat and esophagus.	If swallowed, seek medical advice immediately and show container or label. Due to its acid condition, the effects can be reduced to a minimum by drinking plenty of water, to which milk of magnesia has been added. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:
Damage caused by detergents and tensioactives to intestinal mucus is irreversible. Do not induce vomiting. Pump out stomach prior to the addition of dimeticone (antifrothing agent).

SECTION 5 : FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:
Extinguishing powder or CO2. In the case of more important fires, also alcohol resistant foam and water spray/mist.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:
As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide, nitrogen oxides, phosphorus oxides. Exposure to combustion or decomposition products may be a hazard to health.

5.3 ADVICE FOR FIREFIGHTERS:
- Special protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots.
- Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
Avoid direct contact with this product.

6.2 ENVIRONMENTAL PRECAUTIONS:
Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:
Contain and mop up spills with absorbent materials (sawdust, earth, sand, vermiculite, diatomaceous earth, etc.). Transfer to a suitable container for recovery or elimination. Neutralize with carbonate or sodium bicarbonate. Keep the remains in a closed container. Finally, clean up the area with plenty of water.

6.4 REFERENCE TO OTHER SECTIONS:
For contact information in case of emergency, see section 1.
For information on safe handling, see section 7.
For exposure controls and personal protection measures, see section 8.
For subsequent waste disposal, follow the recommendations in section 13.

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SECTION 7 : HANDLING AND STORAGE

- 7.1 PRECAUTIONS FOR SAFE HANDLING:
 Comply with the existing legislation on health and safety at work.
General recommendations:
 Avoid any type of leakage or escape. Keep the container tightly closed.
Recommendations for the prevention of fire and explosion risks:
 Not applicable.
Recommendations for the prevention of toxicological risks:
 Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.
Recommendations for the prevention of environmental contamination:
 Avoid any spillage in the environment. Pay special attention to the cleaning water. In the case of accidental spillage, follow the instructions indicated in section 6.
- 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:
 Prevent unauthorized access. Keep out of reach of children. Keep away from sources of heat. If possible, avoid direct contact with sunlight. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.
Class of store : According to current legislation.
Maximum storage period : # 24. months
Temperature interval : min: 4. °C, max: 40. °C
Incompatible materials:
 Keep away from reducing agents, oxidizing agents, acids, alkalis, amines, alcohols, ketones, metals.
Type of packaging:
 According to current legislation.
Limit quantity (Seveso III): Directive 96/82/EC~2003/105/EC:
 Lower threshold: 100 tons , Upper threshold: 200 tons
- 7.3 SPECIFIC END USES:
 For the use of this product do not exist particular recommendations apart from that already indicated.

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:
If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689 standard concerning methods for assessing the exposure by inhalation to chemical agents and national guidance documents for methods for the determination of dangerous substances.

Occupational Exposure Limit Values (TLV)

	<u>TLV-TWA</u>		<u>TLV-STEL</u>		<u>Year</u>
	ppm	mg/m3	ppm	mg/m3	
AGCIH 2009					
Phosphoric acid		1.0		3.0	1976
Oxalic acid		1.0		2.0	1976

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.

Biological Limit Values:
Not available

Derived no-effect level, general population:
Not available

Predicted no-effect concentration (PNEC):
Not available

8.2 EXPOSURE CONTROLS:

OCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC~96/58/EC:
Not applicable.

Protection of respiratory system:
- Mask: No.

Protection of eyes and face:
- Goggles: No.
- Face shield: No.

Protection of hands and skin:
- Gloves: Advisable.
- Boots: No.
- Apron: No.
- Clothing: No.

ENVIRONMENTAL EXPOSURE CONTROLS:
Avoid any spillage in the environment.
Spills on the soil: Prevent contamination of soil.
Spills in water: Because of its acidity, it is dangerous to aquatic organisms. Do not allow to escape into drains, sewers or water courses.
Emissions to the atmosphere: Not applicable.



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1	<p>INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:</p> <p><u>Appearance</u></p> <ul style="list-style-type: none"> - Physical state : Clear liquid. - Colour : Pink. - Odour : Aromatic. <p><u>pH-value</u></p> <ul style="list-style-type: none"> - pH : 1.2 ± 0.3 10 g/l at 20°C <p><u>Change of state</u></p> <ul style="list-style-type: none"> - Melting point : # Not applicable - Initial boiling point : > 100. °C at 760 mmHg <p><u>Density</u></p> <ul style="list-style-type: none"> - Relative density : 1.02 at 20/4°C Relative water <p><u>Stability</u></p> <ul style="list-style-type: none"> - Decomposition temperature : # Not available <p><u>Viscosity:</u></p> <ul style="list-style-type: none"> - Viscosity (flow time) : Not available <p><u>Volatility:</u></p> <ul style="list-style-type: none"> - Vapour pressure : 17.5 mmHg at 20°C - Vapour pressure : # 12.3 kPa at 50°C <p><u>Solubility(ies)</u></p> <ul style="list-style-type: none"> - Solubility in water: : Not applicable <p><u>Flammability:</u></p> <ul style="list-style-type: none"> - Flash point : Not flammable - Autoignition temperature : Not applicable <p><u>Explosive properties:</u></p> <p>Not available</p> <p><u>Oxidizing properties:</u></p> <p>Not available</p>
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9.2	<p>OTHER INFORMATION:</p> <ul style="list-style-type: none"> - Terpenic hydrocarbons : # 0.4 % Weight <p>The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.</p>
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SECTION 10 : STABILITY AND REACTIVITY

10.1	<p>REACTIVITY:</p> <p>Not available.</p>
10.2	<p>CHEMICAL STABILITY:</p> <p>Stable under recommended storage and handling conditions.</p>
10.3	<p>POSSIBILITY OF HAZARDOUS REACTIONS:</p> <p>Possible dangerous reaction with reducing agents, oxidizing agents, acids, alkalis, amines, alcohols, ketones, metals.</p>
10.4	<p>CONDITIONS TO AVOID:</p> <ul style="list-style-type: none"> - Heat: Keep away from sources of heat. - Light: If possible, avoid direct contact with sunlight. - Air: Not applicable. - Pressure: Not applicable. - Shock: Not applicable.
10.5	<p>INCOMPATIBLE MATERIALS:</p> <p>Keep away from reducing agents, oxidizing agents, acids, alkalis, amines, alcohols, ketones, metals.</p>
10.6	<p>HAZARDOUS DECOMPOSITION PRODUCTS:</p> <p>As consequence of thermal decomposition, hazardous products may be produced: nitrogen oxides, phosphorus oxides.</p>

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SECTION 11 : TOXICOLOGICAL INFORMATION

No experimental toxicological data on the preparation is available. The toxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

11.1	INFORMATION ON TOXICOLOGICAL EFFECTS:			
	Contains sensitising substances. May produce an allergic reaction. <u>Routes of exposure:</u> <u>Short-term exposure:</u> Irritating to eyes. <u>Long-term or repeated exposure:</u>			
	DOSE AND LETHAL CONCENTRATIONS			
	<u>for individual ingredients :</u>			
		DL50 (OECD 401)	DL50 (OECD 402)	CL50 (OECD 403)
		mg/kg oral	mg/kg cutaneous	mg/m3.4hours inhalation
	Citric acid monohydrate	6730. Rat	5500. Rat	
Phosphoric acid	1530. Rat	2740. Rabbit		
Cocoamidopropylbetaine	2700. Rat	> 2000. Rat		
Oxalic acid	375. Rat	> 2000. Rabbit		

SECTION 12 : ECOLOGICAL INFORMATION

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

12.1	TOXICITY:			
	<u>for individual ingredients :</u>			
		CL50 (OECD 203)	CE50 (OECD 202)	CE50 (OECD 201)
		mg/l.96hours	mg/l.48hours	mg/l.72hours
	Citric acid monohydrate	440. Fishes	120. Daphnia	640. Algae
Phosphoric acid	138. Fishes	265. Daphnia		
Cocoamidopropylbetaine	2.0 Fishes	6.5 Daphnia	> 10. Algae	
Oxalic acid	160. Fishes	137. Daphnia		

12.2 **PERSISTENCE AND DEGRADABILITY:**
Biodegradability: The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation 648/2004/EC on detergents: Ultimate aerobic biodegradation > 60% within 28 days. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.
Photodegradability: Not applicable.

12.3 **BIOACCUMULATIVE POTENTIAL:**
Not available.

12.4 **MOBILITY IN SOIL:**
Not available.

12.5 **RESULTS OF PBT AND MPMB ASSESMENT:**
Not available.

12.6 **OTHER ADVERSE EFFECTS:**
Not available.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 **WASTE TREATMENT METHODS: Directive 2008/98/EC:**
Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.
Disposal of empty containers: Directive 94/62/EC~2005/20/EC, Decision 2000/532/EC:
Emptied containers and packaging should be disposed of in accordance with currently local and national regulations.
Procedures for neutralising or destroying the product:
Controlled incineration in special facilities for chemical waste, but in accordance with local regulations.

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SECTION 14 : TRANSPORT INFORMATION

14.1	<u>UN NUMBER:</u> Not applicable
14.2	<u>UN PROPER SHIPPING NAME:</u> Free
14.3 14.4	<u>TRANSPORT HAZARD CLASS(ES) AND PACKING GROUP:</u> <u>Transport by road (ADR 2011):</u> <u>Transport by rail (RID 2011):</u> Exempt <u>Transport by sea (IMDG 34-08):</u> Exempt <u>Transport by air (ICAO/IATA 2010):</u> Exempt <u>Transport by inland waterways (ADN):</u> Free.
14.5	<u>ENVIRONMENTAL HAZARDS:</u> Not available
14.6	<u>SPECIAL PRECAUTIONS FOR USER:</u> Not available
14.7	<u>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:</u> Not available

SECTION 15 : REGULATORY INFORMATION

15.1	<u>EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:</u> <u>RESTRICTIONS:</u> <u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u> Not applicable. <u>Recommended restrictions on use:</u> Not applicable. <u>OTHER REGULATIONS:</u> Not available
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15.2	<u>CHEMICAL SAFETY ASSESSMENT:</u> Not available.
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SECTION 16 : OTHER INFORMATION

16.1 TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:
R-phrases according the Directive 67/548/EEC~2001/59/EC (DSD), Annex III:
 R34 Causes burns. R36 Irritating to eyes. R21/22 Harmful in contact with skin and if swallowed.
Hazard statements according the Regulation (EC) No. 1272/2008~790/2009 (CLP), Annex III:
 H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H319 Causes serious eye irritation.
Notes related to the identification, classification and labelling of the substances:
 Note B : Some substances are placed on the market in aqueous solutions at various concentrations and these solutions require different classification als labelling since the hazards vary at different concentrations.

MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

- European Chemicals Bureau: Existing Chemicals, <http://esis.jrc.ec.europa.eu/>
- Threshold Limit Values, (AGCIH, 2009).
- European agreement on the international carriage of dangerous goods by road, (ADR 2011).
- International Maritime Dangerous Goods Code IMDG including Amendment 34-08 (IMO, 2008).

MATERIAL SAFETY DATA SHEET REGULATIONS:

Material Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex I of Regulation (EU) No. 453/2010.

HISTORY:

Date of compilation:

Version: 1

13/12/2011

The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.