


MATERIAL SAFETY DATA SHEET	
	Lorimat Universal Washing powder 10kg, 25kg
	Compiled on 17.10.2016 Updated on: - Replaces version dated: - VERSION: 1

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

1.1. PRODUCT IDENTIFIER:

Lorimat Washing powder 10 kg, 25kg

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

Identified uses:	for washing fabrics in all types of washing machines and for hand washing.
Uses advised against:	Other than specified above

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

Supplier:	OTTO OEHME GMBH Industriestraße 20 90584 Allersberg www.oehme-lorito.de
Tel.:	+49 9176 98050
e-mail:	info@oehme-lorito.de

1.4. EMERGENCY TELEPHONE NUMBER:

AVAILABLE 24 HOURS A DAY: General emergency number: 112 Toxicology Information Centre: +49 (0) 551 19 240	AVAILABLE DURING BUSINESS HOURS: 8 a.m. – 4 p.m. Phone no.: +49 9176 98050
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SECTION 2: HAZARD IDENTIFICATION


2.1. CLASSIFICATION OF THE MIXTURE:

Classification in compliance with Regulation (EC) No. 1272/2008 of 16 December 2008 on classification, labelling and packaging (CLP) of substances, as amended:

Mixture is classified as hazardous.

Eye irritation, category 2 H319

2.2. LABEL ELEMENTS:

Hazard pictograms:	 GHS 07
Signal word:	ATTENTION
Hazard statement(s):	H319 Causes eye irritation
Precautionary statement(s):	P102 Keep out of reach of children. P101 If medical advice is needed, have product container or label at hand. 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/attention.
Additional phrases informing about hazards:	None
Ingredients reported in accordance with Annex VII A to Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents:	<5% anionic surface active agents and non-ionic surface active agents, < 5% oxygen based bleach agents, soap, polycarboxylates, optical brighteners. Contains fragrance composition.

2.3. OTHER HAZARDS:

The mixture was not subjected to assessment for compliance with the criteria for PBT or vPvB.

Ingredients of the mixture do not meet the criteria for PBT and vPvB.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS














3.1. SUBSTANCES:

Not applicable

3.2. MIXTURES:

Product identifier: „ Lorimat Washing powder 10kg, 25kg“

Classification of the mixture takes into account the following substances/mixtures:

SUBSTANCE	CAS	CE/ registration number	CLASSIFICATION according to regulation of HM (directive 67/548/EEC) / EC 1272/2008	CONCENTRATION [%]
Sodium carbonate	497-19-8	207-838-8/ 01- 2119485498 -19-0013	 Xi, R36  Eye Irrit. 2, H319	> 10 ≤ 30
Alcohols, C12-14, ethoxylated (1-2.5 TE), sulphates, sodium salts	68891-38-3	500-234-8	 Xn, R22  Xi, R38, R41  Skin Irrit. 2, H315  Aquatic Chronic 3, H412  Eye Dam. 1, H318	> 1 ≤ 5
Oxyethylated (>5-10 EO) alcohols C 12-13	160901-19-9	polymer	 Xi, R41,  R 22, Xn  Eye Dam. 1, H318  Aquatic Acute 1, H400	> 1 ≤ 5
Sodium percarbonate	15630-89-4	239-707-6	 Xn, R22,  Xi, R41	> 0.5 ≤ 5

R and H phrases – see section 16

SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES:

General information: consult a doctor in the case of any problems.

Eye contact: Immediately rinse carefully with water for 15 minutes. If the feeling of discomfort (irritation, redness) persists, obtain medical advice from a specialist.

Skin contact: rinse the contaminated areas with running water. Take off the contaminated clothes.

Inhalation: remove victim to fresh air. If breathing is difficult immediately seek medical advice.

Ingestion: Rinse the mouth and throat carefully, do not induce vomiting. Obtain medical advice immediately.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Contact with respiratory system: irritation, coughing. Bigger quantities may induce throat spasms and breathlessness.

Skin contact: in the case of prolonged contact, possible temporary skin irritation (redness, swelling, burning).

Eye contact: eye irritation (redness, swelling, burning, pain, lacrimation).

Ingestion: possible irritation of mouth, throat, digestive system, as well as diarrhoea and vomiting. Vomit may lead to damage in the lungs (aspiration).

See section 11.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Medical personnel providing help should be informed about the product used by the victim. For this purpose, present the safety data sheet or the label.

In the case of ingestion: administer one drink of plain water. If a large or unknown quantity has been swallowed, administer a defoamer (Dimeticon or Simeticon).

If the victim is unconscious, check patency of respiratory tract. Before medical assistance arrives, monitor the person's condition – check whether breathing and blood circulation have not stopped – if so, initiate suitable action (artificial respiration, heart message).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA:

Suitable extinguishing media:

Recommended extinguishing media:	Put out the fire using extinguishing foam, powders, dispersed water streams, depending on the surroundings.
Extinguishing media not to be used for safety reasons:	Do not use solid water stream.

While extinguishing the fire, take into account recommendations related to extinguishing media suitable for materials stored nearby.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

During fire, possible discharge of carbon monoxide and products of pyrolysis.

5.3. ADVICE FOR FIREFIGHTERS:

Special protective equipment for fire-fighters: self-contained breathing apparatus, protective clothing resistant to chemicals.

SECTION 6: PROCEDURE IN CASE OF ACCIDENTAL RELEASE

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Avoid slipping on scattered and wet product.
Avoid contact with eyes and skin. Ensure suitable ventilation. Do not breath in the dust.

6.2. ENVIRONMENTAL PRECAUTIONS:

Prevent product from entering surface and ground water.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Collect as much mixture as possible with mechanical tools, and rinse the residues with large quantity of water.

6.4. REFERENCE TO OTHER SECTIONS:

Information regarding appropriate protective equipment and waste disposal, see Section 8 and Section 13

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. PRECAUTIONS FOR SAFE HANDLING:

Use in accordance with the intended purpose. Follow the rules of personal hygiene.
Store at places inaccessible to children. Do not allow contamination affecting eyes, skin, and clothes.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in dry and cold rooms.

7.3. SPECIFIC END USE(S):

For washing fabrics in all types of washing machines and for hand washing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS:

TLV for powder dust = 10 mg / m³

8.2. EXPOSURE CONTROL:

Personal protection:

- a) Respiration protection: in places at particular risk of severe exposure, wear dust filtering half masks.
- b) Hand protection: use gloves which are resistant to chemicals (thickness > 0.1 mm, tear strength > 480 min). Follow instructions of gloves manufacturer.
- c) Eye protection: in places at particular risk of severe exposure, wear tightly fitting protective glasses.
- d) Skin protection: wear protective clothes which are resistant to chemicals. Follow instructions of the clothes manufacturer.

Personal protective equipment is required if the product is handled in industrial environment and at large quantities (not applicable if the product is used in households).

Control of environmental hazard: Not applicable.

Other information:

Precautions are required if the product is handled in industrial environment and at large quantities. They are not obligatory if the product is used for household applications.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION CONCERNING BASIC PHYSICAL AND CHEMICAL PROPERTIES:

Form: white, free flowing powder with blue and red particles

Odour: pleasant, characteristic to the applied fragrance composition

Smell limit: no available data

pH (20°C, 1% water solution): max. 10.5

Melting / setting point: not applicable

Boiling point, range of boiling points: not applicable

Flash point: no available data

Vaporization rate: not applicable

Flammability: no available data

Top / bottom explosion limit: no available data

Vapour pressure: not applicable

Vapour density: not applicable

Density (20°C): no available data

Powder density: 810-980 g/l

Solubility in water (20°C): high

N-octanol/water partition coefficient: not applicable

Auto-ignition temperature: no available data

Decomposition temperature: no available data

Viscosity (dynamic): not applicable

Explosive properties: none

Oxidizing properties: none

9.2. OTHER INFORMATION:

None

SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY:

None, if the product is used and stored in accordance with the recommendations.

10.2. CHEMICAL STABILITY:

Stable if used in recommended conditions.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS:

None, if the product is used in accordance with the intended purpose.

10.4. CONDITIONS TO AVOID:

Elevated temperature (> 40 °C)

10.5. INCOMPATIBLE MATERIALS:

None, if the product is used in accordance with the intended purpose

10.6. HAZARDOUS DECOMPOSITION PRODUCTS:

None, if the product is used in accordance with the intended purpose.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS:

The product is not classified or labelled as toxic (acute toxicity via digestive tract), based on the data from OECD 423 test performed on a product with similar chemical composition.

The product is classified and labelled as eye irritant – additive method (combined action of mixture ingredients).

Information on ingredients:

- a) Sodium carbonate / CAS: 497-19-8
- **Acute toxicity (ingestion):** LD50 > 2500 mg/kg (rat – male female)
 - **Acute toxicity (inhalation):** LC50 =4100 mg/ m3 ((rat – male female)
 - **Skin irritant:** none (rabbit, 4 hours, OECD 404 method)
 - **Mutagenic effect in reproductive cells:** negative result (reversible cell mutation test)
- b) alcohols, C12-14, ethoxylated (1-2.5 TE), sulphated, sodium salts/ CAS: 68891- 38-3
- **Acute toxicity(skin):** LD50 > 2000 mg/kg (rat, OECD 402 method)
 - **Skin irritant:** irritation category 2 (rabbit, OECD 404 method)
 - **Sensitization (skin):** substances are not sensitising (guinea pig, OECD 406 method)
 - **Mutagenic effect in reproductive cells:** negative result
 - OECD 476 method, OECD475, in vitro experiment, subject-related to mammal-animal
 - OECD 471 method, in vitro experiment, subject-bacteria,
 - **Toxicity of repeated dose:** LD50 > 125 mg / kg (pre-chronic condition NOAEL orally; rat – male, female; 90days)

- **Adverse effect to reproduction:** negative (rat-male, orally 30-300mg/kg, exposition-11weeks)
- c) oxyethylated (7 EO) alcohols C 12-13 / CAS 66455-14-9
- **Acute toxicity for fish:** LC₅₀ = 0.96 – 1.3 mg / l (96 hours, OECD 203 method) NOEC = 0.32 mg / l (*Pimephales promelas*, OECD 210 method)
 - **Acute toxicity for invertebrates:**
EC₅₀ = 0.46 – 0.74 mg/l (48 hours, *Daphnia magna*, OECD 202 method)
 - **Acute toxicity for algae:**
EC₅₀ = 1 - 10 mg/l (OECD 201 method)
- d) Sodium percarbonate / CAS 15630-89-4
- LC₅₀ (orally, rat): 1034-2000 mg/kg
 - LC₅₀ (skin, rabbit): >2000 mg/kg
 - LD₅₀ (inhalation, rat): >4580 mg/kg
 - Basic effects of irritation, causes skin irritation, serious eye irritation. Accidental ingestion of the substance induces vomiting, nausea, burning in digestive system and local irritation. The substance does not show sensitization effect. No mutagenic effects identified in organisms and their metabolism.
- e) fragrance composition
- **Acute toxicity:** No data
 - **Irritation:** No data
 - **Corrosion:** No data
 - **Sensitization:** No data
 - **Toxicity – repeated exposition:** No data
 - **Cancerogenic effect:** No data
 - **Mutagenic effects:** No data
 - **Toxicity for reproductive system:** No data

SECTION 12: ECOLOGICAL INFORMATION

12.1.TOXICITY:

Information on the ingredients:

a) Sodium carbonate / CAS: 497-19-8:

- **Acute toxicity for fish:**
LC₅₀ = 300 mg/l (96 hours, *Lepomis macrochirus*, OECD 203 method)
- **Acute toxicity for algae:**
EC₅₀ = 137 mg/l (5 days, *Nitzschia* sp, OECD 201 method)
- **Acute toxicity for invertebrates:**
LC₅₀ = 200-227 mg/l (48 hours, *Ceriodaphnia* sp., OECD 202 method)

b) alcohols, C12-14, ethoxylated (1-2.5 TE), sulphated, sodium salts/ CAS: 68891- 38-3

- **Acute toxicity for fish:**
LC₅₀ = 7.1 mg / l (96 hours, *Brachydanio rerio*)
NOEC = 1 mg / l (45 days, *Pimephales promelas*)

- **Acute toxicity for algae:**

EC50 = 27 mg/l (72 hours, *Desmodesmus subspicatus*)

EC50 = 2.6 mg / l (72 hours, *Desmodesmus subspicatus*)

- **Acute toxicity for invertebrates:**

EC50 = 7.2 mg/l (48 hours *Daphnia magna*)

c) oxyethylated (7 EO) alcohols C 12-13 / CAS 66455-14-9

- **Acute toxicity for fish:**

LC50 = 0.96 – 1.3 mg / l (96 hours, OECD 203 method)

NOEC = 0.32 mg / l (*Pimephales promelas*, OECD 210 method)

- **Acute toxicity for invertebrates:**

EC50 = 0.46 – 0.74 mg/l (48 hours, *Daphnia magna*, metoda OECD 202)

- **Acute toxicity for algae:**

EC50 = 1 - 10 mg/l (OECD 201 method)

d) Sodium percarbonate / CAS 15630-89-4

- LC50 70.7 mg/l/96h (*Pimephales promelas*)

- EC50 4.9 mg/l/48h (*Daphnia magna*)

- EC50 8mg/l/140h (*Anabaeba* sp.)

12.2. PERSISTENCE AND DEGRADABILITY:

Information on the ingredients:

a) alcohols, C12-14, ethoxylated (1-2.5 TE), sulphated, sodium salts/ CAS: 68891- 38-3

- **Test EU EEC C.4-D** -68%-easily-28days

b) oxyethylated (7 EO) alcohols C 12-13 / CAS 66455-14-9

- **Final biodegradation (aerobic):** >60%, OECD 301 F method

The anionic and non-ionic surface active agents included in the product meet the requirements set forth by Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

12.3. BIOACCUMULATIVE POTENTIAL:

No tests of the mixture, significant for determining its bioaccumulative potential, were carried out.

Data for the mixture ingredients: they do not exhibit bioaccumulative potential.

12.4. MOBILITY IN SOIL:

The product is easily soluble in water and can penetrate into ground and surface water.

12.5. RESULTS OF PBT AND VPVB ASSESSMENT:

The product does not contain substances identified as persistent, bioaccumulative and toxic, (PBT) and substances classified as very persistent and with very bioaccumulative (vPvB).

12.6. OTHER ADVERSE EFFECTS:

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS:

Product disposal:

Expired product and packaging may not be discharged into the environment. Empty and clean packaging from products used in households must be disposed of together with household waste. It is necessary to follow local regulations related to waste disposal. If required, contact the company

SECTION 14: TRANSPORT INFORMATION

Disposal of contaminated packaging: Not applicable.

Completely empty packaging may be treated in the same way as municipal waste.

Waste classification:

150101 (relates to cardboard – transport packaging)

150102 (relates to plastics – unit packaging)

Comply with the applicable regulations:

- Waste Management Act of 14 December 2012 (Journal of Laws No. 000/2013, item 21)
- Act of 13 June 2013 on management of packaging and packaging waste (Journal of Laws 2013, item 888)

14.1 UN Number: Not applicable

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard class(es): Not applicable

14.1 Packing group: Not applicable

14.5 Environmental hazards: No data available

14.6 Special precautions for user: None.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code : Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

National/EU regulations:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the EU L335/1 dated 31.12.2008) as amended.
- Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- Waste Management Act of 14 December 2012 (Journal of Laws 2013 item 21) as amended
- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents, as amended.

- Council Regulation (EC) No 440/2008 of 30 May 2008 laying down test methods pursuant to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Act of 25 February 2011 on chemical substances and their mixtures (Journal of Laws No. 63 item 322) and secondary legislation.
- Regulation of the Minister of Labour and Social Policy of 6 June 2014 on Maximum Permissible Concentration and Intensity of Agents Harmful to Health in the Working Environment (Journal of Laws 2014 item 817)
- Regulation of the Minister of Health of 20 April 2012, on the labelling of dangerous substances and mixtures (Journal of Laws 2012, No.12, item 445)
- Regulation of the Minister of Health of 10 August 2012, on the criteria and ways of classification of chemical substances and their mixtures (Journal of Laws 1012 item 1018)
- Declaration of the Government, dated 28 May 2013, on enforcement of amendments to Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), executed in Geneva on 30 September 1957 (Journal of Laws 2013 item 815)

15.2. CHEMICAL SAFETY ASSESSMENT:

The manufacturer has not performed chemical safety assessment of the mixture – the substances were used in manufacturing the mixture in accordance with their identified purposes and uses.

SECTION 16: OTHER INFORMATION

a) Information related data sheet update:

In comparison to version No. 1 information related to the mixture ingredients has been updated, and the mixture was classified according to Regulation 1272/2008/EC.

b) List of abbreviations and acronyms used in the Safety Data Sheet:

Explanation of R-phrases, H-statements and P-phrases:

R22 - Harmful if swallowed

R36 - Irritating to eyes

R37 – Irritating to respiratory system

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

R43 - May cause sensitisation by skin contact

R51/53 - Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment.

H302 Harmful if swallowed

H315 Causes skin irritation

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H400 Very toxic to aquatic life

H412 Harmful to aquatic life with long-lasting effects

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

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/attention.

Key literature references and sources for data:

The Safety Data Sheet has been elaborated with the use of currently available knowledge, information provided by the manufacturer, such as safety data sheets for the mixture ingredients, as well as online databases and applicable regulations related to hazardous substances and chemical preparations.

Method of mixture classification

according to Regulation 1272/2008/EC. Additive method.

Recommendations related to employee training:

Employees using the product at work should be informed about the contents of this data sheet.

The above information does not constitute qualitative specification of the product and shall not be used in lodging complaints. The data must not be used for creating mixtures of the product with other substances.

The user shall ensure adequate conditions for handling the product.

If the conditions for using the mixture are not monitored, the manufacturer shall not be responsible for the use of the product failing to comply with its purpose.