

## MATERIAL SAFETY DATA SHEET

according to Annex II of the Regulation of the European Parliament and Council 1907/2006 / EC as amended

Date of Issuance: 6.4.2016

Date of Inspection: ---

# 2020

### 1. IDENTIFICATION OF MATERIAL / MIXTURE AND COMPANY

#### 1.1 Identification of product

Trade Name: 2020

#### 1.2 Relevant identified uses of the substance or mixture and not recommended uses

Washing powder.

#### 1.3 Details of the supplier of the material safety data sheet

E.U.D.GROUP, a.s.

J. Palacha 121/8

690 02 Břeclav

Czech republic

Tel/Fax: +420-519-325-599

E-mail: info@eudgroup.com

#### Emergency telephone number:

Toxicology Information Center, Na Bojišti 1, 128 21 Praha, Tel: **224 919 293** or **224 915 402** (nonstop medical service).

### 2. HAZARD IDENTIFICATION:

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) nr. 1272/2008:

Skin irritant, Skin Irrit. 2, H315

Serious eye damage, Eye Dam. 1, H318

##### The most serious unfavorable effects:

Skin irritant. Causes serious eye damage.

#### 2.2 Labeling elements

##### Symbols:



##### Signal word:

Dangerous

##### Standard sentences about dangerous:

H315 Skin irritant

H318 Causes serious eye damage.

##### Instructions for safe treatment:

P302+P352 IN CONTACT WITH SKIN: Rinse with large quantity of water.

P305+P351+P338 IN CONTACT WITH EYES: A few minutes rinse carefully with water. Remove contact lenses if present and if is easy to do. Continue rinsing.

P310 Immediately call a Toxicology informatik centre or physician.

**Contains:** Disodium carbonate, mixture with hydrogen peroxide (2:3) (CAS 15630-89-4); sodium metasilicate (CAS 6834-92-0); benzenesulfonic acid, 4-C10-13- sec. alkyl derivatives (CAS 85536-14-7); Alcohols, C12-14, ethoxylated (CAS 68439-50-9); 5% or more, but less than 15% of bleaching agents based on oxygen; less than 5% of anionic surfactants; less than 5% non-ionic surfactants; less than 5% soap; less than 5% of zeolites; less than 5% of phosphates; enzymes; perfume.

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### 2.3 Other dangerous

It isn't known.

## 3. COMPOSITION / INFORMATIONS ABOUT INGREDIENTS

### 3.2 Mixtures

Name of ingredients	Content v hm%	EC No.	CAS No.	Index No.
sodium carbonate	10-<30	207-838-8	497-19-8	011-005-00-2
REACH RN: 01-2119485498-19-xxxx				
<b>Classification according to regulation 1272/2008/EC:</b>				
Eye irritation, Eye Irrit. 2, H319				
Alcohols,C12-14,ethoxylated	<2	polymer	68439-50-9	---
<b>Classification according to regulation 1272/2008/EC:</b>				
Acute toxicity, oral, Acute Tox. 4, H302				
Serious eye damage, Eye Dam. 1, H318				
Dangerous for aquatic environment, Aquatic Chronic 3, H412				
Disodium carbonate, mixture with hydrogen peroxide (2:3)	1,0-<10	239-707-6	15630-89-4	---
REACH RN: 01-2119457268-30-xxxx				
<b>Classification according to regulation 1272/2008/EC:</b>				
Oxidising solid, Ox. Sol. 2, H272				
Acute toxicity, oral, Acute Tox. 4, H302				
Serious eye damage, Eye Dam. 1, H318				
Sodium metasilicate	0,1-<2,0	229-912-9	6834-92-0	---
REACH RN: 01-2119449811-37-xxxx				
<b>Classification according to regulation 1272/2008/EC:</b>				
Corrosive for metals, Met. Corr. 1, H290				
Corrosive for skin, Skin Corr. 1B, H314				
Toxicity for special target organs - single exposure, STOT SE 3, H335				
Benzenesulfonic acid, 4-C10-13- sec. alkyl derivatives	0,1-<2,0	287-494-3	85536-14-7	---
REACH RN: 01-2119490234-40-xxxx				
<b>Classification according to regulation 1272/2008/EC:</b>				
Acute toxicity, oral, Acute Tox. 4, H302				
Corrosive for skin, Skin Corr. 1C, H314				
Dangerous for aquatic environment, Aquatic Chronic 3, H412				
Citric acid	0,1-5,0	201-069-1	77-92-9	---
REACH RN: 01-2119457026-42-xxxx				
<b>Classification according to regulation 1272/2008/EC:</b>				
Eye irritation, Eye Irrit. 2, H319				

Full text of R- and H-phrases mentioned in Section 16.

## 4. FIRST AID INSTRUCTIONS:

### 4.1 Description of first aid

**Inhalation:** Move injured individual to fresh air. In event. of difficulties seek medical advice.

**Skin contact:** Take off contaminated clothing. Wash the affected area with plenty of water. If the irritation persists seek medical advice.

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Eye contact: Immediately start to flush the eye with water, rinse for at least 30 minutes. Remove contact lenses, if it can be removed easily, and continue flushing. Eyelids keep opened to wash the entire surface of the eye and eyelids. Seek medical advice immediately.

Ingestion: Do not induce vomiting. Person unconscious or convulsing don't give anything by mouth. If vomiting occurs, rewind it to the left side to avoid aspiration of vomit into the lungs, Give drink bigger quantity of water. Call Toxikology Information Center or doctor.

### 4.2 Most important acute and delayed symptoms and effects

Causes serious eye damage. Causes skin irritation.

### 4.3 Instruction regarding to immediately medical help and special treatment

In eye contact requires immediate medical help.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Fire extinguishers

In case of fire use water, foam, sand, dry chemical powder, CO<sub>2</sub>.

**Unsuitable fire extinguishers:** full water jet.

### 5.2 Special dangerous arising from the substance or mixture

In case of fire may form carbon dioxide, carbon monoxide. In case of fire, do not inhale smoke.

### 5.3 Advice for firefighters

Firefighters must wear fire-resistant protective equipment, if needed breathing apparatus. Unauthorised persons dissipate outside the affected area. Containers exposed to fire cool with water.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Safety precautions for the protection of persons, protective equipment and emergency procedures.

Avoid contact with skin and eyes. Do not breathe dust. Use personal protective equipment, see Section 8. Unauthorized personnel dissipate outside the affected area.

### 6.2 Environmental precautions:

Prevent entry into the drains or waterways.

### 6.3 Recommended cleaning and disposal methods:

Stop leak if possible. Leak substances pick up or sweep and place in a suitable closable container. Dispose in accordance with Section 13. Clean the affected area with plenty of water.

### 6.4 Reference to other sections

Section 7 for handling, Section 8 for personal protective equipment, Section 13 for removal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

When handling do not eat, drink or smoke. Avoid contact with skin and eyes. Do not breathe dust. For incompatible materials, see Section 10. After handling wash hands thoroughly.

### 7.2 Conditions for safe storage of materials and mixtures, including incompatible substances and mixtures

Store in accordance with local regulations. Store on a dry place. Keep away from food, drinks and feeds.

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### 7.3 Specific end use / Specific end uses

See section 1.

## 8. RESTRICTION EXPOSURE / PERSONAL PROTECTIVE EQUIPMENT

### 8.1 Control parameters

NV Czech Republic no. 361/2007 Coll., As amended:

*Carbonates and bicarbonates of sodium and potassium: PEL 5 mg / m<sup>3</sup> WEL 10 mg / m<sup>3</sup>.*

PEL - permissible exposure limit; NPK-P - highest permissible concentration in the workplace.

#### **DNEL (derived levels at which no adverse effects):**

*Disodium carbonate, compound with hydrogen peroxide (2: 3):*

DNEL, workers, dermal, short term: 12.8 mg / cm<sup>2</sup>

DNEL, workers, inhaled, long-term: 5 mg / m<sup>3</sup>

DNEL, consumers, dermal, short term: 6.4 mg / cm<sup>2</sup>

#### **PNEC (estimate concentrations at which no adverse effects):**

*Disodium carbonate, mixture with hydrogen peroxide (2: 3):*

PNEC, fresh water: 0.35 mg / l

PNEC, sea water: 0.035 mg / l

PNEC, occasional leak: 0.035 mg / l

PNEC, WWTP: 16.24 mg / l

### 8.2 Restriction of exposure

#### 8.2.1 Suitable technical processes

Ensure good ventilation at the workplace.

#### 8.2.2 Individual protection including personal protective equipment

Follow the principles of good working hygiene. Avoid contact with skin and eyes. Avoid creating dust. After handling the product wash with soap and water. Near must be installed safety shower and eyewash equipment. When using do not eat, drink or smoke. Contaminated clothes clean thoroughly.

**a) Protection of face:** When handling larger quantities wear protective goggles.

**b) Protection of skin:** i) hand – not required  
ii) other parts of body – not required

**c) Protection of respiratory:** In case of insufficient ventilation use suitable respiratory equipment.

**d) Thermal dangerous:** data aren't not available

#### 8.2.3 Restriction of environment exposure

Do not flush into surface water or sanitary sewer system.

## 9. INFORMATION ABOUT PHYSICAL AND CHEMICAL PROPERTIES:

### 9.1 Informations about basic physical and chemical properties

Appearance: white powder with colored particles

Odor: floral fragrance

Odour Threshold: undefined

pH value: 9,5-11,5 (1% solution)

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Boiling point (range) (°C):	undefined
Melting point (range) (°C):	undefined
Flash point (°C):	undefined
Evaporation rate:	undefined
Flammability:	undefined
Upper / Lower Limits	
Flammability or explosion:	undefined
Vapor tension:	undefined
vapor density:	undefined
Relative density:	undefined
Solubility in water:	soluble
Partition coefficient	
n-octanol / water:	undefined
Decomposition Temperature:	undefined
Viscosity:	undefined
explosive properties:	not explosive
oxidation properties:	does not have oxidizing properties

#### 9.2 Other informations

Further details are not available.

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

Under normal conditions it is stable.

#### 10.2 Chemical stability

Stable under recommended storage conditions.

#### 10.3 Possibility of dangerous reactions

Under normal conditions aren't known dangerous reactions.

#### 10.4 Conditions to avoid

Aren't known.

#### 10.5 Incompatible materials

Keep away from oxidizing agents, strong acids and strong alkalis.

#### 10.6 Hazardous decomposition products

Decomposition products don't release under normal conditions.

### 11. TOXICOLOGICAL INFORMATIONS

#### 11.1 Information about toxicological effects

The mixture was not tested. The classification was determined by calculation method.

**Acute toxicity:** Mixture does not meet the criteria for classification.

*Disodium carbonate, mixture with hydrogen peroxide (2:3):*

LC50,oral, rat: 1034 mg/kg

*Benzenesulfonic acid, 4-C10-13- sec. alkyl derivatives:*

LD50, oral, rat: 1470 mg/kg

**Corrosion / irritation:** Skin irritant.

**Serious eye damage/irritation:** Causes serious eye irritation.

**Sensitization:** Does not meet criteria for classification.

**Germ cell mutagenicity:** Does not meet criteria for classification.

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<b>Carcinogenicity:</b>	Does not meet criteria for classification.
<b>Reproductive toxicity:</b>	Does not meet criteria for classification.
<b>Toxicity for specific target organs - single exposure:</b>	Does not meet criteria for classification.
<b>Toxicity for Specific target organs - repeated exposure:</b>	Does not meet criteria for classification.
<b>Inhalation hazard:</b>	Does not meet criteria for classification.

### 12. ECOLOGICAL INFORMATION:

#### 12.1 Toxicity

The mixture was not tested. The classification was determined by calculation method.

*Benzenesulfonic acid, 4-C10-13- sec. alkyl derivatives:*

LC50, fis, Lepomis macrochirus, 96h: 1,67 mg/

EC50, Daphnia magna, 48 h: 2,9 mg/kg

#### 12.2 Persistence and degradability

Data for mixtures aren't available.

The surfactants contained in the product comply with the conditions degradability under Regulation 648/2004 / EC.

#### 12.3 Bioaccumulative potential

There is no potential for bioaccumulation

#### 12.4 Mobility in soil

Data for mixture aren't available.

#### 12.5 Results of comparison PBT and vPvB

The mixture contains no PBT or vPvB.

#### 12.4 Other adverse effects

Does not meet the criteria for classification as dangerous for the environment.

### 13. INSTRUCTIONS FOR REMOVING

#### 13.1 Waste treatment methods

Dispose in accordance with local regulations. Empty containers rinse with water. Do not flush undiluted product into drains or the aquatic environment.

Dispose in accordance with the Waste Act no. 185/2001 Coll., as amended, Decree 381/2001 Coll., Act on Packaging no. 477/2001 Coll. as amended.

According to the European Waste Catalogue, Waste Codes are not specific for product, but specific for application. Waste codes should be assigned by the user, preferably in discussion with the authorities responsible for waste disposal.

### 14. TRANSPORT INFORMATIONS

#### 14.1 UN number

Not applicable.

#### 14.2 Official (OSN) shipping name

Not applicable.

#### 14.3 Transport hazard class/classes

Not applicable

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### 14.4 Packing group

Not applicable.

### 14.5 Environmental hazards

Not applicable.

### 14.6 Special precautions for user

Data aren't available.

### 14.7 Transport in bulk according to Annex II of MARPOL73 / 78 and the IBC Code

Not applicable.

## 15. REGULATORY INFORMATIONS

### 15.1 Regulations concerning safety, health and environmental regulations / specific legislation for the substance or mixture

Regulation of the European Parliament and Council (EC) no. 1907/2006 (REACH), Regulation of the European Parliament and Council (EC) no. 1272/2008 (CLP), Regulation of the European Parliament and Council (EC) no. 648/2004 on detergents, Act no. 350/2011 Coll. on chemical substances and mixtures, and on amending certain acts as amended, Act no. 258/2000 Coll. on public health protection, as amended.

### 15.2 Chemical Safety Assessment

For the following components of product was developed chemical safety assessment: benzene sulfonic acid, 4-C10-13-sek.alkylderiváty; carbonate disodium, mixture with hydrogen peroxide (2: 3).

## 16. OTHERS INFORMATIONS

**Date of Issuance:** 6.4.2016

**Lists of relevant sentences:**

**H272** May intensify fire; oxidant. **H290** Can be corrosive for metals. **H302** Harmful if swallowed. **H314** Causes serious skin burns and eye damage. **H315** Causes skin irritation. **H318** Causes serious eye damage. **H319** Causes serious eye irritation. **H335** May cause respiratory irritation. **H412** Harmful to aquatic life with long lasting effects.

**The Material safety data sheet has been prepared on the basis of information provided by E. U. D. GROUP, a. s.**

**Note:**

MSDS aim is to enable users to make the necessary measures related to health, safety at work and environmental protection.

It is the responsibility of persons in receipt of this MSDS to everyone who can use the product, manipulate it, or in any way to come in contact with, were acquainted with the information contained in this document and understand them. If the recipient subsequently produce a product containing this product, it is his sole responsibility to ensure the transfer of all material information from vendor BL to BL their product, in accordance with applicable laws and regulations.

All information and instructions provided in this document are based on the current state of scientific and technical knowledge. The manufacturer will not be liable for any defect of the product, if the occurrence of such a defect could not be based on scientific and technical knowledge at the date of issue BL detectable.