# 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:**  
Toxikology 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](image)

- **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.
2.3 Other dangerous
It isn’t known.

3. COMPOSITION / INFORMATIONS ABOUT INGREDIENTS

3.2 Mixtures

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

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.
2020

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, CO2.
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.
2020

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 / m3 WEL 10 mg / m3.
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 / cm2
DNEL, workers, inhaled, long-term: 5 mg / m3
DNEL, consumers, dermal, short term: 6.4 mg / cm2

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 enviroment exposure
Do not flush into surface water or sanitky 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)
Boiling point (range) (°C): undefined
Melting point (range) (°C): undefined
Flash point (°C): undefined
Evaporation rate: undefined
Flammability: undefined
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 mk/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.
2020

Carcinogenicity: Does not meet criteria for classification.
Reproductive toxicity: Does not meet criteria for classification.
Toxicity for specific target organs - single exposure: Does not meet criteria for classification.
Toxicity for specific target organs - repeated exposure: Does not meet criteria for classification.
Inhalation hazard: 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/l
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.
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
### 2020

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**


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.