SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
EXPRESS STAERKE

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture
Textile dyes and impregnating products
Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet
DR.SCHNELL GmbH & Co. KGaA

Company name: DR.SCHNELL GmbH & Co. KGaA
Street: Taunusstraße 19
Place: D-80807 München
Telephone: +49/89/350608-0
Telefax: +49/89/350608-47

Contact person: Josef Feuerstein
Telephone: +49/89/350608-46

E-mail: info@dr-schnell.de

Internet: www.dr-schnell.de

Responsible Department: Labor

1.4. Emergency telephone number
Emergency CONTACT (24-Hour-Number) international: GBK GmbH +49 (0) 61 32 - 8 44 63

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Regulation (EC) No. 1272/2008
This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements
Regulation (EC) No. 1272/2008
Special labelling of certain mixtures
EUH210 Safety data sheet available on request.

2.3. Other hazards
No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>EC No</th>
<th>Index No</th>
<th>REACH No</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7631-99-4</td>
<td>Natriumnitrat</td>
<td></td>
<td></td>
<td></td>
<td>Ox. Sol. 3, Eye Irrit. 2; H372 H319</td>
<td>5-&lt;10 %</td>
</tr>
<tr>
<td>231-554-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>01-2119488221-41</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures
 According to Regulation (EC) No 1907/2006

Safety Data Sheet

DR. SCHNELL GmbH & Co. KGaA

EXPRESS STAERKE

Revision date: 13.03.2018 Product code: 61046_CLP

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After inhalation
Move victim out of danger zone. Provide fresh air.

After contact with skin
After contact with skin, wash immediately with plenty of water and soap. Remove contaminated clothing immediately and dispose off safely. In case of skin irritation, seek medical treatment.

After contact with eyes
Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In all cases of doubt, or when symptoms persist, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed
No information available.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture
No special fire protection measures are necessary.

5.3. Advice for firefighters
In case of fire: Wear self-contained breathing apparatus.

Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Use personal protection equipment. High slip hazard because of leaking or spilled product.

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Do not mix with acids. Avoid contact with eyes and skin. General hygiene measures for the handling of chemicals are applicable.
### Advice on protection against fire and explosion

Product is not flammable. No special fire protection measures are necessary.

#### 7.2. Conditions for safe storage, including any incompatibilities

- **Requirements for storage rooms and vessels**
  - Keep container tightly closed.

- **Advice on storage compatibility**
  - No special measures are necessary.

- **Further information on storage conditions**
  - Protect against: Frost, Heat

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

- **Protective and hygiene measures**
  - Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

- **Eye/face protection**
  - **Recommendation:** Wear eye protection/face protection. For Danger of splashes.

- **Hand protection**
  - When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- **Skin protection**
  - Wear suitable protective clothing.

- **Respiratory protection**
  - In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>white</td>
</tr>
<tr>
<td>pH-Value (at 20 °C)</td>
<td>5.5 - 7.5</td>
</tr>
</tbody>
</table>

**Changes in the physical state**

- **Melting point:** not determined
- **Initial boiling point and boiling range:** >100 °C
- **Flash point:** not determined

**Flammability**

- **Solid:** not applicable
- **Gas:** not applicable

- **Lower explosion limits:** not determined
- **Upper explosion limits:** not determined

**Auto-ignition temperature**

- **Solid:** not applicable
- **Gas:** not applicable
Decomposition temperature: not determined

Oxidising properties
Not oxidising.

Vapour pressure: not determined

Density: 1,15 g/cm³

Water solubility: completely miscible

Solubility in other solvents
not determined

Partition coefficient: not determined

Viscosity / dynamic: 450 - 600 mPa·s

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
No known hazardous reactions.

10.4. Conditions to avoid
none

10.5. Incompatible materials
Reducing agent, Ammonium compounds
Avoid contact with strong acids.
Keep away from combustible material.

10.6. Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.

Irritation and corrosivity
Based on available data, the classification criteria are not met.

Sensitising effects
Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.
Aspiration hazard
Based on available data, the classification criteria are not met.

Additional information on tests
The mixture is classified as not hazardous according to Directive 1999/45/EC.

SECTION 12: Ecological information

12.1. Toxicity
The product is not: Ecotoxic.

12.2. Persistence and degradability
The product has not been tested.

12.3. Bioaccumulative potential
The product has not been tested.

12.4. Mobility in soil
The product has not been tested.

12.5. Results of PBT and vPvB assessment
The product has not been tested.

12.6. Other adverse effects
No information available.

Further information
Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Advice on disposal
Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products
200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of contaminated packaging
150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging
Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: not applicable
14.2. UN proper shipping name: not applicable
14.3. Transport hazard class(es): not applicable
14.4. Packing group: not applicable

Inland waterways transport (ADN)

14.1. UN number: not applicable
14.3. Transport hazard class(es): not applicable
14.4. Packing group: not applicable

Marine transport (IMDG)

14.1. UN number: not applicable
14.3. Transport hazard class(es): not applicable
14.4. Packing group: not applicable
14.1. UN number: not applicable
14.3. Transport hazard class(es): not applicable

Air transport (ICAO-TI/IATA-DGR)
14.1. UN number: not applicable
14.3. Transport hazard class(es): not applicable

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulatory information
2010/75/EU (VOC): 0 %
2004/42/EC (VOC): 0 %

Additional information

National regulatory information
Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes
Revised sections: 1, 5, 7, 15, 16

Abbreviations and acronyms
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)
H272 May intensify fire; oxidiser.
H319 Causes serious eye irritation.
EUH210 Safety data sheet available on request.

Further Information
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of
processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)