


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

- **Product identifier:**
- **Trade name:** Black & White Tabs
- **Article number:** 105.371-105.365-132.740
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product category:** PC35 Washing and cleaning products (including solvent based products)
- **Application of the substance / the preparation:** Cleaning material/ Detergent
- **Details of the supplier of the safety data sheet:**
- **Manufacturer/Supplier:**
Schulz & Sohn GmbH
Chemie-Erzeugnisse
Hoeheweg 327
D-40231 Duesseldorf
sida@schulzchemie.com
- **Distributet by:**
Thermoplan AG
Thermoplan-Platz 1
CH-6353 Weggis
Tel.: +41 41 3921200
thermoplan@thermoplan.ch
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:**
Toxin emergency call (24 hours):
Phone: +44 (0) 845 4647

2 Hazards identification

- **Classification of the substance or mixture:**
Eye Dam. 1 H318 Causes serious eye damage.
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- **Label elements:**
 - **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
 - **Hazard pictograms**

GHS05
 - **Signal word** Danger
 - **Hazard-determining components of labelling:**
sodium percarbonate
tartaric acid
 - **Hazard statements**
Causes serious eye damage.
 - **Precautionary statements**
Wear protective clothing / eye protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
 - **Other hazards:**
 - **Results of PBT and vPvB assessment:**
 - **PBT:** Not applicable

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· **vPvB:** Not applicable

3 Composition/information on ingredients

· **Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

497-19-8	sodium carbonate ⚠ Eye Irrit. 2, H319; Acute Tox. 5, H303	15-<30%
15630-89-4	sodium percarbonate ⚠ Ox. Sol. 2, H272; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H332; Acute Tox. 5, H313	15-<30%
87-69-4	tartaric acid ⚠ Eye Dam. 1, H318; Acute Tox. 5, H303; Acute Tox. 5, H313	15-<30%
7758-29-4	pentasodium triphosphate Acute Tox. 5, H303	15-<30%
25322-68-3	polyethylene glycol	1-<5%
25322-68-3	polyethylene glycol Acute Tox. 5, H303	1-<5%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents:**

oxygen-based bleaching agents, phosphates	≥15 - <30%
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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

· **Description of first aid measures:**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Immediately rinse with water.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Rinse out mouth and then drink plenty of water.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

5 Firefighting measures

· **Extinguishing media:**

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· **Special hazards arising from the substance or mixture:** No further relevant information available.

· **Advice for firefighters:**

· **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures:** Not required

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:** Pick up mechanically.

· **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling:** Prevent formation of dust.
- **Information about fire - and explosion protection:** Protect from heat.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Storage between 5 and 40°C.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:**
Keep container tightly sealed.
Protect from heat and direct sunlight.
Store in dry conditions.
Protect from humidity and water.
- **Storage class:** 13
- **Specific end use(s):** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.
- **Control parameters:**

· **Ingredients with limit values that require monitoring at the workplace:**

25322-68-3 polyethylene glycol

WEEL (USA)	Long-term value: 10 mg/m ³ (H); MW>200
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- **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves!

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**
Recommendation:
uvex u-chem 3000 (DIN EN 374)
Material: Nitrile rubber, NBR
Thickness of the material: 0,5 mm
Value for the permeation: > 480 min (Level 6)
Recommendation:
uvex u-fit strong N2000 (DIN EN 374)
Material: Nitrile rubber, NBR

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Thickness of the material: 0,2 mm

Value for the permeation: > 480 min (Level 6)

· **Penetration time of glove material:**

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

· **Eye protection:**



Tightly sealed goggles!

9 Physical and chemical properties

· Information on basic physical and chemical properties:	
· General Information:	
· Appearance:	
Form:	Solid
Colour:	White
· Odour:	Characteristic
· Odour threshold:	Not determined
· pH-value at 20 °C:	10.1
· Change in condition:	
Melting point/freezing point:	Undetermined
Initial boiling point and boiling range:	Undetermined
· Flash point:	> 100 °C
· Flammability	Not determined
· Decomposition temperature:	Not determined
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined
Upper:	Not determined
· Vapour pressure:	Not applicable
· Density at 20 °C:	1,000 g/cm ³
· Relative density:	Not determined
· Vapour density:	Not applicable
· Evaporation rate:	Not applicable.
· Solubility in / Miscibility with:	
water:	Soluble.
· Partition coefficient: n-octanol/water:	Not determined
· Viscosity:	
Dynamic:	Not applicable
Kinematic:	Not applicable
· Solvent content:	
Solids content:	100.0 %
· Other information:	No further relevant information available.

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10 Stability and reactivity

- **Reactivity:** No further relevant information available.
 - **Chemical stability:**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
 - **Possibility of hazardous reactions:** No dangerous reactions known.
 - **Conditions to avoid:** No further relevant information available.
 - **Incompatible materials:** No further relevant information available.
 - **Hazardous decomposition products:** No dangerous decomposition products known.
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11 Toxicological information

- **Information on toxicological effects:**
 - **Acute toxicity**
 - **Primary irritant effect:**
 - **Serious eye damage/irritation** Strong irritant with the danger of severe eye injury.
 - **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
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12 Ecological information

- **Toxicity:**
 - **Aquatic toxicity:** No further relevant information available.
 - **Persistence and degradability:** No further relevant information available.
 - **Behaviour in environmental systems:**
 - **Bioaccumulative potential:** No further relevant information available.
 - **Mobility in soil:** No further relevant information available.
 - **Additional ecological information:**
 - **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
 - **Results of PBT and vPvB assessment:**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable
 - **Other adverse effects:** No further relevant information available.
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13 Disposal considerations

- **Waste treatment methods:**
 - **Recommendation:**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
 - **Uncleaned packaging:**
 - **Recommendation:** Disposal must be made according to official regulations.
 - **Recommended cleansing agents:** Water, if necessary together with cleansing agents.
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14 Transport information

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|--------------------------|------|
| · UN-Number | |
| · ADR, IMDG, IATA | Void |
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· UN proper shipping name · ADR, IMDG, IATA	Void
· Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· Packing group · ADR, IMDG, IATA	Void
· Environmental hazards:	Not applicable
· Special precautions for user	Not applicable
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
· UN "Model Regulation":	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Chemical safety assessment::** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases:**
H272 May intensify fire; oxidiser.
H303 May be harmful if swallowed.
H313 May be harmful in contact with skin.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
- **Department issuing SDS:** HSE department
- **Contact:** HSE Department
- **Abbreviations and acronyms:**
ADR: Accord relatif au transport international 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
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Ox. Sol. 2: Oxidizing solids – Category 2
Acute Tox. 5: Acute toxicity – Category 5
Acute Tox. 4: Acute toxicity – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2