

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: BLAZE
- Product Part Number: BLZ

1.2 Relevant identified uses of the substance or mixture and uses advised against - Use of the substance/mixture: Cleaning agent, carpets and textiles. Professional use. 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: CLEANING WAREHOUSE LTD
- Address of Supplier: UNIT A10, THE SQUARE, GREENOGUE BUSINESS PARK,
RATHCOOLE, D24 H512 UK
- Telephone: +3531-9602663
- Responsible Person: C SANDS
- Email: INFO@CLEANINGWAREHOUSE.IE

1.4 Emergency telephone number

- Emergency Telephone: 01 809 2166 (8am to 10pm, Mon-Sun)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Skin Corr. 1B

2.2 Label elements



GHS05

- Signal Word: Danger
- Hazard statements
 - H314 - Causes severe skin burns and eye damage.
- Precautionary statements
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P264 - Wash hands thoroughly after handling.
 - P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P310 - Immediately call a POISON CENTER or doctor/physician.
 - P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 - P361+P364 - Take off immediately all contaminated clothing and wash it before

reuse. 2.3 Other hazards

SECTION 2: Hazards identification (....)

- Contains: Sodium metasilicate pentahydrate

SECTION 3: Composition/information on ingredients

3.2 Mixtures

- SODIUM CARBONATE
 - CAS Number: 497-19-8
 - EC Number: 207-838-8
 - Concentration: 15-30%
 - Categories: Eye Irrit. 2
 - Symbols: GHS07
 - H Statements: H319
- TETRASODIUM ETHYLENE DIAMINE TETRAACETATE
 - CAS Number: 64-02-8
 - EC Number: 200-573-9
 - Concentration: 5-10%
 - Categories: Acute Tox. 4, Eye Dam. 1
 - Symbols: GHS05;GHS07
 - H Statements: H302;H318
- SODIUM METASILICATE PENTAHYDRATE
 - CAS Number: 10213-79-3
 - EC Number: 229-912-9
 - Concentration: 7.6%
 - Categories: Met. Corr. 1, Skin Corr. 1B, STOT SE 3
 - Symbols: GHS05, GHS07
 - H Statements: H290, H314, H335
- 1-HEPTANOL, 2-PROPYL-,ETHOXYLATED (> 5 - <=10 EO)
 - CAS Number: 160875-66-1
 - EC Number:
 - Concentration: 2-5%
 - Categories: Acute Tox. 4, Eye Dam. 1
 - Symbols: GHS05, GHS07
 - H Statements: H302, H318
- 1-METHOXY-2-PROPANOL
 - CAS Number: 107-98-2
 - EC Number: 203-539-1
 - Concentration: 1-3%
 - Categories: Flam. Liq. 3, STOT SE 3
 - Symbols: GHS02;GHS07
 - H Statements: H226;H336
- DIPROPYLENEGLYCOL METHYLEETHER
 - CAS Number: 34590-94-8
 - EC Number: 252-104-2
 - Concentration: 1-3%

SECTION 3: Composition/information on ingredients (....)

Categories:

Symbols:

H Statements:

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Contact with skin
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- Ingestion
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Give plenty of water to drink
Get medical advice/attention.
- Inhalation
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes, skin and mucous membranes

4.3 Indication of any immediate medical attention and special treatment needed - Immediately call a POISON CENTER or doctor/physician.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Avoid raising dust

6.2 Environmental precautions

- If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Collect as much as possible in clean container for reuse or disposal

SECTION 6: Accidental release measures (....)

- Flush spill area with copious amounts of water

6.4 Reference to other sections

- See Section 13 for disposal

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Avoid contact with skin and eyes
- Do not breathe dust

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed, in a cool, well ventilated place
- Store locked up.

7.3 Specific end use(s)

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m³ (8hr TWA) total inhalable dust; 5 mg/m³ (8hr TWA) total respirable dust
- SODIUM CARBONATE
 - DNEL (Industry; inhalational, long term local effects): 10 mg/m³
 - DNEL (Consumer; inhalational, short term local effects): 10 mg/m³
- TETRASODIUM ETHYLENE DIAMINE TETRAACETATE
 - DNEL (Industry; inhalational, long term local effects):
 - DNEL (Consumer; inhalational, short term local effects):
 - DNEL (Consumer: Oral, long term systemic effects): 25mg/kg/day
 - DNEL (Industry; inhalational, long term systemic effects): 1.5mg/m³
 - DNEL (Industry; inhalational, short term systemic effects): 3mg/m³
 - DNEL (Consumer; inhalational, short term systemic effects): 1.2mg/kg
 - DNEL (Consumer; inhalational, long term systemic effects): 0.6mg/m³
- SODIUM METASILICATE PENTAHYDRATE
 - DNEL (Industry; inhalational, long term local effects):
 - DNEL (Consumer; inhalational, short term local effects):
 - DNEL (Consumer: Dermal, long term): 0.74 mg/kg/day
 - DNEL (Consumer: Inhalation, long term): 1.55 mg/m³
 - DNEL (Consumer: Oral, long term): 0.74 mg/kg/day
 - DNEL (Industry: Dermal, long term): 1.49 mg/kg/day
 - DNEL (Industry: Inhalation, long term): 6.22 mg/m³
- 1-METHOXY-2-PROPANOL
 - DNEL (Industry; inhalational, long term local effects):
 - DNEL (Consumer; inhalational, short term local effects):
 - DNEL (Industry; inhalational, short term systemic effects): 553.5 mg/m³
 - DNEL (Industry; inhalational, short term local effects): 553.5 mg/m³
 - DNEL (Industry; dermal, long term systemic effects): 183 mg/kg/day
 - DNEL (Industry; inhalational, long term systemic effects): 369 mg/m³
 - DNEL (Consumer; dermal, long term systemic effects): 78 mg/kg/day
 - DNEL (Consumer; inhalational, long term systemic effects): 43.9 mg/m³

SECTION 8: Exposure controls/personal protection (....)

- DIPROPYLENEGLYCOL METHYLEETHER
 - DNEL (Industry; inhalational, long term local effects):
 - DNEL (Consumer; inhalational, short term local effects):
 - DNEL (Industry; dermal, long term systemic effects): 283 mg/kg/day
 - DNEL (Industry; inhalational, long term systemic effects): 308 mg/kg
 - DNEL (Consumer; dermal, long term systemic effects): 121 mg/kg/day
 - DNEL (Consumer; inhalational, long term systemic effects): 37.2 mg/m³

8.2 Exposure controls

- Wear protective gloves/protective clothing/eye protection/face protection.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask
- Wear plastic or rubber gloves

Gloves Goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Blue powder
- Odour: Citrus
- Boiling Point/Range: Not applicable
- Density: 0.8 g/cm³ at 20 °C
- Flashpoint: Not applicable
- pH: 11.3 at 1 % concentration
- Completely soluble in water

9.2 Other information

- No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- No special requirements

10.5 Incompatible materials

- Incompatible with strong oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Can cause burns to eyes skin and mucous membranes
Inhalation of dust may cause irritation and burns to nose and throat, coughing and shortness of breath

- SODIUM CARBONATE
 - LD₅₀ (oral, rat): 2,800 mg/kg
 - LD₅₀ (skin, rat): 2,000 mg/kg
 - LC₅₀ (inhalation, rat): 2,300 dust/mist mg/l
- TETRASODIUM ETHYLENE DIAMINE TETRAACETATE
 - LD₅₀ (oral, rat): 1000-2000mg/kg
 - LD₅₀ (skin, rat):
 - LC₅₀ (inhalation, rat):
- 1-HEPTANOL, 2-PROPYL-,ETHOXYLATED (> 5 - <=10 EO)
 - LD₅₀ (oral, rat): 200-2000mg/kg
 - LD₅₀ (skin, rat):
 - LC₅₀ (inhalation, rat):
- 1-METHOXY-2-PROPANOL
 - LD₅₀ (oral, rat): 4,016 mg/kg
 - LD₅₀ (skin, rat): >2000 mg/kg
 - LC₅₀ (inhalation, rat): 28.8 mg/l
- DIPROPYLENEGLYCOL METHYLEETHER
 - LD₅₀ (oral, rat): 8,740 mg/kg
 - LD₅₀ (skin, rat):
 - LC₅₀ (inhalation, rat): 3,404.47 mg/l
 - LD₅₀ (dermal, rabbit): 9,510 mg/kg

SECTION 12: Ecological information

12.1 Toxicity

- SODIUM CARBONATE
 - EC₅₀ (daphnia): 265 mg/l (48 hr)
 - LC₅₀ (fish): 300 mg/l (96 hr)
- SODIUM METASILICATE PENTAHYDRATE
 - EC₅₀ (daphnia): 1700 mg/l (48 hr)
 - LC₅₀ (fish): 210 mg/l (96 hr)
 - PNEC (Fresh water): 7.5 mg/l
 - PNEC (Marine water): 1 mg/l
 - PNEC (STP): 1000 mg/l
- 1-HEPTANOL, 2-PROPYL-,ETHOXYLATED (> 5 - <=10 EO)
 - EC₅₀ (daphnia):
 - LC₅₀ (fish):
 - IC₅₀ (algae): Unknown mg/l (72 hr)

SECTION 12: Ecological information (....)

EC₅₀ (daphnia): >100 mg/l (48 hr)

LC₅₀ (fish): >100 mg/l (96 hr)

- 1-METHOXY-2-PROPANOL

EC₅₀ (daphnia): 23300 mg/l (48 hr)

LC₅₀ (fish): 4600-10000 mg/l (96 hr)

PNEC (Fresh water): 10 mg/l

PNEC (Marine water): 1 mg/l

PNEC (Sediment; fresh water): 52.3 mg/kg/day

PNEC (Sediment; marine water): 5.2 mg/kg/day

PNEC (Soil): 4.59 mg/kg/day

PNEC (STP): 100 mg/l

- DIPROPYLENEGLYCOL METHYLEETHER

EC₅₀ (daphnia): 1919 mg/l (48 hr)

LC₅₀ (fish): >1000 mg/l (96 hr)

PNEC (Fresh water): 19 mg/l

PNEC (Marine water): 1.9 mg/l

PNEC (Sediment; fresh water): 70.2 mg/kg/day

PNEC (Sediment; marine water): 7.02 mg/kg/day

PNEC (Soil): 2.74 mg/kg/day

PNEC (STP): 4168 mg/l

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- Low bioaccumulation potential

12.4 Mobility in soil

- soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

SECTION 14: Transport information



Corrosive

14.1 UN number or ID number

SECTION 14: Transport information (....)

- UN No.: 3262

14.2 UN proper shipping name

- Proper Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.

14.3 Transport hazard class(es)

- Hazard Class: 8

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- May cause acute effects in the aquatic environment

14.6 Special precautions for user

- Contains: SODIUM METASILICATE

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture -
The Chemicals (Hazard Information and Packaging) Regulations applies in the UK Detergents Regulation. Contains: less than 5% non-ionic surfactants, 5-15% EDTA, more than 30% phosphates.

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H226: Flammable liquid and vapour. H290: May be corrosive to metals. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness.

Abbreviations and acronyms

ADR European Agreement concerning the International Carriage of Goods by Road

ATE Acute Toxicity Estimate

CAS Chemical Abstracts Service

CHIP Chemicals (Hazard Information and Packaging) Regulations—Directives 1999/45.EC and 67/548/EC

CLP Classification and Labelling of Chemicals—Regulation (EC) No. 1272/2008

CMR Carcinogenic-Mutagenic-Toxic for reproduction

DNEL Derived No Effect Level

EINECS European Inventory of Existing Commercial Chemical Substances

GHS Globally Harmonised System of Classification and Labelling of Chemicals

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods Code

LC50 Lethal Concentration, 50%

LD50 Lethal Dose, 50%

MARPOL International Convention for the Prevention of Pollution From Ships

NOEC No Observed Effect Concentration

SECTION 16: Other information (....)

NOAEL No Observed Adverse Effect Level

OEL Occupational Exposure Limit

PBT Persistent, Bioaccumulative, Toxic

PNEC Predicted No Effect Concentration

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

vPvB very Persistent, very Bioaccumulative

RID Convention concerning International Carriage by Rail

STP Sewage Treatment Plants

WEL Workplace Exposure Limit

VOC Volatile Organic Compound

--- end of safety datasheet ---

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