Revision: 27 Jan 2021

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: SPARK PRE SPRAY AND BOOSTER
- Product Part Number: SPAR

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Haevy duty flor cleaning agent. Professional use.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: SOLUTION (CORNWALL) LTD
- Address of Supplier: UNIT 1 WARREN ROAD INDIAN QUEENS CORNWALL TR9 6TL UK
- Telephone: +44(0)1209 204343
- Responsible Person: N. ROBERTSON-VOUSDEN
- Email: Operations@solution-uk.com

1.4 Emergency telephone number

- Emergency Telephone: +44(0)1209 204343 (8.30am - 5pm)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Met. Corr. 1, Skin Corr. 1B, STOT SE 3

2.2 Label elements



GHS05



GHS07

- Signal Word: Danger
- Hazard statements
  H314 - Causes severe skin burns and eye damage.
  H335 - May cause respiratory irritation.
  H290 - May be corrosive to metals.
- Precautionary statements
  P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
  P280 - Wear protective gloves/protective clothing/eye protection/face protection.
  P264 - Wash
  P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
  P363 - Wash contaminated clothing before reuse.
  P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
  P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  P310 - Immediately call a POISON CENTER or doctor/physician.
  P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

SECTION 2: Hazards identification (....)

contact lenses, if present and easy to do. Continue rinsing.
P405 - Store locked up.

2.3 Other hazards

- Contains: SODIUM METASILICATE PENTAHYDRATE
  SODIUM HYDROXIDE

SECTION 3: Composition/information on ingredients

3.2 Mixtures

- SODIUM METASILICATE PENTAHYDRATE
  CAS Number: 10213-79-3
  EC Number: 229-912-9
  Concentration: 20-50%
  Categories: Met. Corr. 1, Skin Corr. 1B, STOT SE 3
  Symbols: GHS05, GHS07
  H Statements: H290, H314, H335
- SODIUM CARBONATE
  CAS Number: 497-19-8
  EC Number: 207-838-8
  Concentration: 5-15%
  Categories: Eye Irrit. 2
  Symbols: GHS07
  H Statements: H319
- TETRASODIUM ETHYLENE DIAMINE TETRAACETATE
  CAS Number: 64-02-8
  EC Number: 200-573-9
  Concentration: 2-5%
  Categories: Acute Tox. 4, Eye Dam. 1
  Symbols: GHS05;GHS07
  H Statements: H302;H318
- 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
- SODIUM HYDROXIDE
  CAS Number: 1310-73-2
  EC Number: 215-185-5
  Concentration: 1-3%
  Categories: Skin Corr. 1A
  Symbols: GHS05
  H Statements: H314

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].
  Call a POISON CENTRE or doctor if you feel unwell.
- Ingestion
  IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
  Call a POISON CENTRE or doctor if you feel unwell.
- Inhalation
  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  Call a POISON CENTRE or doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Burns to eyes and skin

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

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

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

- Sweep or shovel-up spillage and remove to a safe place
- To clean the floor and all objects contaminated by this material use water

6.4 Reference to other sections

- See Section 13 for disposal

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Do not allow dust to accumulate on surfaces and equipment
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- SODIUM METASILICATE PENTAHYDRATE
  DNEL (Industry: Dermal, long term): 1.49 mg/kg/day
  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: Inhalation, long term): 6.22 mg/m³
- SODIUM CARBONATE
  DNEL (Industry: Dermal, long term):
  DNEL (Consumer: Dermal, long term):
  DNEL (Consumer: Inhalation, long term):
  DNEL (Consumer: Oral, long term):
  DNEL (Industry: Inhalation, long term):
  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: Dermal, long term):
  DNEL (Consumer: Dermal, long term):
  DNEL (Consumer: Inhalation, long term): 0.6mg/m3
  DNEL (Consumer: Oral, long term):
  DNEL (Industry: Inhalation, long term): 1.5mg/m3
  DNEL (Consumer: Oral, short term local effects): 25mg/kg/day
  DNEL (Consumer: Inhalation, short term): 1.2mg/m3
  DNEL (Industry: Inhalation, short term): 3.0mg/m3
- SODIUM HYDROXIDE
  DNEL (Industry: Dermal, long term):
  DNEL (Consumer: Dermal, long term):
  DNEL (Consumer: Inhalation, long term):
  DNEL (Consumer: Oral, long term):
  DNEL (Industry: Inhalation, long term):
  DNEL (Consumer; inhalational, long term local effects): 1 mg/m³
  DNEL (Industry; dermal, short term local effects): 2 mg/kg/day

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

DNEL (Industry; inhalational, long term local effects): 1 mg/m³
DNEL (Industry; inhalational, short term local effects): 2 mg/m³
Short-term exposure limit (15minute): WEL 2 mg/m³

8.2 Exposure controls

- Wear protective gloves/protective clothing/eye protection/face protection.


Gloves


Goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Off-white powder
- Odour: Slight
- Boiling Point/Range: Not applicable
- Density: 0.8 g/cm³ at 20 °C
- Solubility in water: Completely soluble
- Flashpoint: Not applicable
- pH: 12.5 at 1 % concentration

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

- Avoid contact with aluminium, zinc, copper and tin

10.5 Incompatible materials

- Contact with alkaline earth metals may form flammable gases

10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Causes burns to eyes and skin
Ingestion can cause burns to mouth and throat
Inhalation of dust may cause coughing, shortness of breath and burns to membranes of nose

SECTION 11: Toxicological information (....)

and throat.

- TETRASODIUM ETHYLENE DIAMINE TETRAACETATE
  LD_{50} (oral, rat): 1000-2000mg/kg
- SODIUM CARBONATE
  LD_{50} (oral, rat): 2,800 mg/kg
  LD_{50} (skin, rat): 2,000 mg/kg
  LC_{50} (inhalation, rat): 2,300 dust/mist mg/l
- 1-HEPTANOL, 2-PROPYL-,ETHOXYLATED (> 5 - <=10 EO)
  LD_{50} (oral, rat): 300-2000mg/kg
- SODIUM HYDROXIDE
  LD_{50} (oral, rat):
  LD_{50} (oral, rabbit): >500 mg/kg

SECTION 12: Ecological information

12.1 Toxicity

- SODIUM METASILICATE PENTAHYDRATE
  EC_{50} (daphnia): 1700 mg/l (48 hr)
  LC_{50} (fish): 210 mg/l (96 hr)
  PNEC (Fresh water): 7.5 mg/l
  PNEC (Marine water): 1 mg/l
  PNEC (STP): 1000 mg/l
- SODIUM CARBONATE
  PNEC (Fresh water):
  PNEC (Marine water):
  PNEC (STP):
  EC_{50} (daphnia): 265 mg/l (48 hr)
  LC_{50} (fish): 300 mg/l (96 hr)
- SODIUM HYDROXIDE
  PNEC (Fresh water):
  PNEC (Marine water):
  PNEC (STP):
  EC_{50} (daphnia): 40-240 mg/l (48 hr)
  LC_{50} (fish): 33-189 mg/l (96 hr)
- TETRASODIUM ETHYLENE DIAMINE TETRAACETATE
  PNEC (Fresh water):
  PNEC (Marine water):
  PNEC (STP):
  EC_{50} (daphnia): 780 mg/l (48 hr)
  LC_{50} (fish): 98-312 mg/l (96 hr)
- 1-HEPTANOL, 2-PROPYL-,ETHOXYLATED (> 5 - <=10 EO)
  PNEC (Fresh water):
  PNEC (Marine water):

SECTION 12: Ecological information (....)

PNEC (STP):	
IC_{50} (algae):	Unknown mg/l (72 hr)
EC_{50} (daphnia):	>100 mg/l (48 hr)
LC_{50} (fish):	>100 mg/l (96 hr)

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

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

- May cause acute effects in the environment

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

- UN No.: 3262

14.2 UN proper shipping name

- Proper Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. CONTAINS SODIUM METASILICATE, SODIUM HYDROXIDE

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 environment

14.6 Special precautions for user

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

SECTION 14: Transport information (....)

- 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% EDTA, non-ionic surfactants. More than 30% phosphates, silicates.

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:- 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.

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
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 Bioaccummulative
RID Convention concerning International Carriage by Rail
STP Sewage Treatment Plants
WEL Workplace Exposure Limit
VOC Volatile Organic Compound

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