

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: SAFE4 TRIPLE ENZYME CLEANER
- UFI:
- Product Part Number: ENZYME/INST

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

- Use of the substance/mixture: Instrument Cleaning

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Safe Solutions (Safe4) Ltd.
- Address of Supplier: Safe Solutions (Safe4) Ltd
Bostock Road
Winsford
Cheshire
CW7 3BD
- Telephone: +44 (0) 1606 591 900
- Email: Info@safe4disinfectant.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1606 591 900

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

- CLP: Eye Irrit. 2

2.2 Label elements**GHS07**

- Signal Word: Warning

Hazard statements

H319 - Causes serious eye irritation.

Precautionary statements

P102 - Keep out of reach of children.
P235+P410 - Keep cool. Protect from sunlight.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 2: Hazards identification (....)**2.3 Other hazards**

- Not applicable
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SECTION 3: Composition/information on ingredients**3.2 Mixtures****TRISODIUM CITRATE DIHYDRATE**

CAS Number:	6132-04-3
EC Number:	Not applicable
Concentration:	< 2.5%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not available
Categories:	Not applicable

SODIUM BENZOATE

CAS Number:	532-32-1
EC Number:	208-534-8
Concentration:	< 1%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not available
Categories:	Eye Irrit. 2
REACH Registration Number:	01-2119460683-35-XXXX
Symbols:	GHS07
H Statements:	H319

MONOPROPYLENE GLYCOL

CAS Number:	57-55-6
EC Number:	200-338-0
Concentration:	< 13.5%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not applicable
Categories:	Not applicable

DIPROPYLENEGLYCOL METHYLETHER

CAS Number:	34590-94-8
EC Number:	252-104-2
Concentration:	< 3%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not available
Categories:	Not applicable

propan-2-ol; isopropyl alcohol; isopropanol

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

CAS Number:	67-63-0
EC Number:	200-661-7
Concentration:	< 5%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not available
Categories:	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3
Symbols:	GHS02;GHS07
H Statements:	H225;H336;H319

enzyme blend

CAS Number:	N/a
EC Number:	Not applicable
Concentration:	<1%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not available
Categories:	Skin Sens. 1
Symbols:	GHS07
H Statements:	H317

OXIRANE, METHYL-, POLYMER WITH OXIRANE

CAS Number:	9003-11-6
EC Number:	Not applicable
Concentration:	< 3.0%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not available
Categories:	Not applicable

SECTION 4: First aid measures**4.1 Description of first aid measures**

- Rinse mouth.
- If substance has got into eyes, immediately wash out with plenty of water
- Treat symptomatically
- If eye irritation persists: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Not applicable

4.3 Indication of any immediate medical attention and special treatment needed

- Not applicable
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
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SECTION 5: Firefighting measures (....)

5.2 Special hazards arising from the substance or mixture

- No hazard expected under normal conditions of use

5.3 Advice for firefighters

- No special precautions are required for this product
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Not applicable

6.2 Environmental precautions

- Not applicable

6.3 Methods and material for containment and cleaning up

- No special precautions are required for this product

6.4 Reference to other sections

- See Section 8, 13
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Do not handle until all safety precautions have been read and understood.
- Do not eat, drink or smoke when using this product.
- Avoid contact with eyes

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool.
- Store at ambient temperature
- Avoid contact with acid
- Keep away from oxidising substances

7.3 Specific end use(s)

- See Section 1.2
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- No information available

SODIUM BENZOATE

DNEL (Industry; inhalational, long term local effects): 0.1 mg/m³
DNEL (Industry; inhalational, long term systemic effects): 3 mg/m³
DNEL (Industry; dermal, long term systemic effects): 62.5 mg/kg/day
DNEL (Consumer; inhalational, long term local effects): 0.06 mg/m³
DNEL (Consumer; inhalational, long term systemic effects): 1.5 mg/m³
DNEL (Consumer; dermal, long term systemic effects): 31.25 mg/kg/day
DNEL (Consumer; oral, long term systemic effects): 16.6 mg/kg/day

DIPROPYLENEGLYCOL METHYLETHER

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

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
DNEL (Consumer; oral, long term systemic effects): 36 mg/kg/day

propan-2-ol; isopropyl alcohol; isopropanol

DNEL (Industry; dermal, long term systemic effects): 888 mg/kg/day
DNEL (Industry; inhalational, long term systemic effects): 500 mg/m³
DNEL (Consumer; dermal, long term systemic effects): 319 mg/kg/day
DNEL (Consumer; inhalational, long term systemic effects): 89 mg/m³
DNEL (Consumer; oral, long term systemic effects): 26 mg/kg/day

8.2 Exposure controls

- See Section 2
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Physical state: Liquid
- Colour: Blue
- Odour: Odourless
- Melting point/Range: Not applicable
- Boiling Point/Range: >100 °C
- Flammability: Not flammable
- pH: 6 - 7.5
- Solubility in water: Completely soluble in water
- Density: Not available
- Flashpoint: >93°C

9.2 Other information

SECTION 10: Stability and reactivity**10.1 Reactivity**

- This article is considered stable under normal conditions

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

- Extremes of temperature

10.5 Incompatible materials

- Not applicable

10.6 Hazardous decomposition products

- None

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Not applicable

Estimated LD₅₀ (oral) (ATE) : >2000 mg/kgEstimated LD₅₀ (dermal) (ATE) : >4000 mg/kgEstimated LD₅₀ (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)**SODIUM BENZOATE**LD₅₀ (oral, rat): >2000 mg/kgLD₅₀ (skin, rat): >2000 mg/kg**DIPROPYLENEGLYCOL METHYLETHER**LD₅₀ (oral, rat): 8740 mg/kgLD₅₀ (dermal, rabbit): 9510 mg/kgLC₅₀ (inhalation, rat): 3404.47 vapours mg/l**propan-2-ol; isopropyl alcohol; isopropanol**LD₅₀ (oral, rat): 4570 mg/kgLD₅₀ (dermal, rabbit): 13400 mg/kgLC₅₀ (inhalation, rat): 30 vapours mg/l**Skin corrosion/irritation**

Not applicable

Serious eye damage/irritation

Not applicable

Respiratory or skin sensitisation

Not applicable

Germ cell mutagenicity

No information available

Carcinogenicity

No evidence of carcinogenic effects

Reproductive toxicity

Not applicable

STOT (specific target organ toxicity) - single exposure

No information available

STOT (specific target organ toxicity) - repeated exposure

No information available

Aspiration hazard**11.2 Information on other hazards**

SECTION 12: Ecological information**12.1 Toxicity**

- No information available

SODIUM BENZOATE

LC₅₀ (fish): >100 mg/l (96 hr)

SODIUM BENZOATE

PNEC (Fresh water):	0.13 mg/l
PNEC (intermittent):	0.305 mg/l
PNEC (Marine water):	0.013 mg/l
PNEC (Sediment; fresh water):	1.76 mg/kg
PNEC (Sediment; marine water):	0.176 mg/kg
PNEC (Soil):	0.276 mg/kg
PNEC (STP):	10 mg/l

DIPROPYLENEGLYCOL METHYLETHER

EC₅₀ (daphnia): 1919 mg/l (48 hr)

LC₅₀ (fish): >1000 mg/l (96 hr)

DIPROPYLENEGLYCOL METHYLETHER

PNEC (Fresh water):	19 mg/l
PNEC (intermittent):	190 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

propan-2-ol; isopropyl alcohol; isopropanol

PNEC (Fresh water):	140.9 mg/l
PNEC (intermittent):	140.9 mg/l
PNEC (Marine water):	140.9 mg/l
PNEC (Sediment; fresh water):	552 mg/kg
PNEC (Sediment; marine water):	552 mg/kg
PNEC (Soil):	28 mg/kg
PNEC (STP):	2251 mg/l

OXIRANE, METHYL-, POLYMER WITH OXIRANE

EC₅₀ (daphnia): >100 mg/l (48 hr)

LC₅₀ (fish): >100 mg/l (96 hr)

12.2 Persistence and degradability

- Not applicable

12.3 Bioaccumulative potential

- Bioaccumulation is insignificant

12.4 Mobility in soil

SECTION 12: Ecological information (....)

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- Not applicable

12.7 Other adverse effects

- Not applicable
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
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SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number or ID number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not classified

14.6 Special precautions for user

- Not classified

14.7 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Refer to current CLP Regulations

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-

SECTION 16: Other information (....)

H225: Highly flammable liquid and vapour. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.

All information correct at time of printing.

--- end of safety datasheet ---
