

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 05.05.2020

Version number 3

Revision: 29.04.2020

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

1.1 Product identifier

Trade name: i-spraywash DesTab

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

Application of the substance / the mixture Tablets for surface disinfection

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: --**Supplier:**

i-team Global
Hoppenkuil 27B
5626 DD Eindhoven, The Netherlands
Tel.: +31 40 266 2450
E-Mail: hello@i-teamglobal.com

Manufacturer:

EasySan ApS
Bygmarken 2B
3650 Ølstykke, Denmark

Further information obtainable from:

Tel.: +45 70262421
E-Mail: info@easysan.eu

1.4 Emergency telephone number: -

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4 H302 Harmful if swallowed.
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS05 GHS07

Signal word Danger**Hazard-determining components of labelling:**

potassium monopersulphate
sodium dodecyl sulphate

Hazard statements

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 2)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 05.05.2020

Version number 3

Revision: 29.04.2020

Trade name: SprayWash DesTab

(Contd. of page 1)

Precautionary statements

- P264 Wash hands thoroughly after handling.
 P280 Wear protective gloves/eye protection.
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 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.
 P501 Dispose of contents/container in accordance with local regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 70693-62-8 EINECS: 274-778-7 Reg.nr.: 01-2119485567-22	potassium monopersulphate Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Aquatic Chronic 3, H412	50-100%
CAS: 617-48-1 EINECS: 210-514-9 Reg.nr.: 01-2119552463-40	DL-malic acid Skin Irrit. 2, H315; Eye Irrit. 2, H319	10%
CAS: 5329-14-6 EINECS: 226-218-8 Reg.nr.: 01-2119488633-28	sulphamidic acid Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	≥2.5-<10%
CAS: 151-21-3 EINECS: 205-788-1 Reg.nr.: 01-2119489461-32	sodium dodecyl sulphate Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335; Aquatic Chronic 3, H412	≥2.5-<10%

Specific concentration limits

sodium dodecyl sulphate CAS 151-21-3: Eye Dam. 1: ≥ 20 %; Eye Irrit. 2: ≥ 10 - < 20 %.

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

oxygen-based bleaching agents >30 %

anionic surfactants 5-15 %

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

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.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 05.05.2020

Version number 3

Revision: 29.04.2020

Trade name: SprayWash DesTab

(Contd. of page 2)

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray.

Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.**5.3 Advice for firefighters****Protective equipment:** Wear self-contained respiratory protective device.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

Wash residues with water.

6.4 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.

SECTION 7: Handling and storage**7.1 Precautions for safe handling** Avoid contact with the eyes and skin.**Information about fire and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Store in a cool and dry place.

Information about storage in one common storage facility: Not required.**Further information about storage conditions:** Keep container tightly sealed.**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****Additional information about design of technical facilities:** No further data; see item 7.**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

(Contd. on page 4)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 05.05.2020

Version number 3

Revision: 29.04.2020

Trade name: SprayWash DesTab

(Contd. of page 3)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands: Protective gloves.

Material of gloves

Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.2 mm

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Tablets
Colour:	White
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition

Melting point/freezing point:	Not determined.
Initial boiling point and boiling range:	Not determined.

Flash point: Not applicable.

Flammability (solid, gas): Not determined.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto-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:	Not determined.
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.

(Contd. on page 5)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 05.05.2020

Version number 3

Revision: 29.04.2020

Trade name: SprayWash DesTab

(Contd. of page 4)

Solubility in / Miscibility with water:

Soluble.

Partition coefficient: n-octanol/water: Not determined.

Viscosity:

Dynamic:

Not applicable.

Kinematic:

Not applicable.

Solvent content:

VOC (EC)

0.00 %

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable if stored according to specifications.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid Protect from humidity and water.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if swallowed.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	>655-692 mg/kg (rat)
Inhalative	LC50/4 h	27.8 mg/l

70693-62-8 potassium monopersulphate

Oral	LD50	500 mg/kg (rat) (OECD 423)
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	>5 mg/l (rat) (OECD 403)

151-21-3 sodium dodecyl sulphate

Oral	LD50	>500-2,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rabbit)

Primary irritant effect:

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

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

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

(Contd. on page 6)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 05.05.2020

Version number 3

Revision: 29.04.2020

Trade name: SprayWash DesTab

(Contd. of page 5)

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.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

70693-62-8 potassium monopersulphate

LC50/96h	53 mg/l (Oncorhynchus mykiss) (OECD 203)
EC50/48h	3.5 mg/l (Daphnia magna) (OECD 202)

617-48-1 DL-malic acid

LC50/48h	240 mg/l (Daphnia magna)
LC50/96h	>100 mg/l (fish)

5329-14-6 sulphamidic acid

LC50/96h	70.3 mg/l (Pimephales promelas)
EC50/24h	71.6 mg/l (Daphnia magna) (OECD 202)
EC50/72h	48 mg/l (algae) (OECD 201)

151-21-3 sodium dodecyl sulphate

LC50/96h	>10-100 mg/l (Pimephales promelas)
EC50/48h	>1-10 mg/l (Ceriodaphnia dubia)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue 200129

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

GB

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 3

Revision: 29.04.2020

Trade name: SprayWash DesTab

(Contd. of page 6)

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA

UN1759

14.2 UN proper shipping name
ADR
CORROSIVE SOLID, N.O.S. (potassium monopersulphate, sodium dodecyl sulphate)
CORROSIVE SOLID, N.O.S.**IMDG, IATA**

CORROSIVE SOLID, N.O.S. (potassium monopersulphate, sodium dodecyl sulphate)

14.3 Transport hazard class(es)
ADR, IMDG, IATA

Class
Label
8
8
14.4 Packing group
ADR, IMDG, IATA

III

14.5 Environmental hazards:
Marine pollutant:

No

14.6 Special precautions for user
Hazard identification number (Kemler code):
EMS Number:
Stowage Category
Warning: Corrosive substances.
80
F-A,S-B
A
14.7 Transport in bulk according to Annex II of
Marpol and the IBC Code

Not applicable.

Transport/Additional information:
ADR
Limited quantities (LQ)
Excepted quantities (EQ)
5 kg
Code: E1
Maximum net quantity per inner packaging: 30 g
Maximum net quantity per outer packaging: 1000 g
Transport category
Tunnel restriction code
3
E**IMDG**
Limited quantities (LQ)
Excepted quantities (EQ)
5 kg
Code: E1
Maximum net quantity per inner packaging: 30 g
Maximum net quantity per outer packaging: 1000 g**UN "Model Regulation":**

UN 1759 CORROSIVE SOLID, N.O.S. (POTASSIUM MONOPERSULPHATE, SODIUM DODECYL SULPHATE), 8, III

GB

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 05.05.2020

Version number 3

Revision: 29.04.2020

Trade name: SprayWash DesTab

(Contd. of page 7)

SECTION 15: Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008 GHS label elements**National regulations:**

The product is subject to be labeled according to the prevailing version of the regulations on hazardous substances.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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

H228 Flammable solid.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008 Calculation method**Department issuing SDS:** Department R&D**Contact:** Dr. Niels Ole Vesterager**Created by:** MSC**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 Harmonised 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 (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 4: Acute toxicity - oral – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data changed with respect to previous version.**