

SAFETY DATA SHEET

STAYCLEAN STRIPS (ADV)

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Compilation date: 25/11/2011

Revision date: 06/07/2016

Revision No: 2.0

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

1.1. Product identifier

Product name: STAYCLEAN STRIPS (ADV)

Product code: 031

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

Use of substance / mixture: * Refrigeration Unit condensate tray Anti-Bacterial treatment.

1.3. Details of the supplier of the safety data sheet

Company name: Advanced Engineering Ltd

Guardian House

Stroudley Road

Basingstoke

Hampshire

RG24 8NL

United Kingdom

Tel: +44(0)1256460300

Fax: +44(0)1256462266

Email: sales@advancedengineering.co.uk

1.4. Emergency telephone number

Emergency tel: Advanced Engineering Ltd (24hr) +44 (0)203 394 9889

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: * Skin Corr. 1B: H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements

Label elements:

Hazard statements: * H314: Causes severe skin burns and eye damage.

Hazard pictograms: * GHS05: Corrosion



Signal words: * Danger

Precautionary statements: * P262: Do not get in eyes, on skin, or on clothing.

P264: Wash hands thoroughly after handling.

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P280: Wear protective gloves.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

* Hazardous ingredients:

SODIUM STEARATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
212-490-5	822-16-2	Substance with a Community workplace exposure limit.	-	10-30%

DIDECYLDIMETHYLAMMONIUM CHLORIDE

230-525-2	7173-51-5	-	Acute Tox. 4: H302; Skin Corr. 1B: H314	10-30%
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GLYCERINE - REACH registered number(s): N/A

200-289-5	56-81-5	Substance with a Community workplace exposure limit.	-	1-10%
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PROPYLENE GLYCOL - REACH registered number(s): 01-2119456809-23-XXXX

200-338-0	57-55-6	Substance with a Community workplace exposure limit.	-	1-10%
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PROPAN-2-OL

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-10%
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NON IONIC SURFACTANT

-	68439-51-0	-	Aquatic Chronic 3: H412	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

[cont...]

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Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after long-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: * Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: * Corrosive. In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2. Environmental precautions

Environmental precautions: In bulk packaged form, do not discard into Drains, Sewers or surface water courses.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

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7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Avoid incompatible materials and conditions - see section 10 of SDS.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): * Refrigeration Unit condensate tray Anti-Bacterial treatment.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

SODIUM STEARATE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	-	-	4 mg/m ³	-

GLYCERINE

EU	10 mg/m ³	-	-	-
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PROPYLENE GLYCOL

EU	150 ppm (474mg/m ³)	-	-	-
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PROPAN-2-OL

UK	999 mg/m ³	1250 mg/m ³	-	-
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DNEL/PNEC Values

Hazardous ingredients:

PROPYLENE GLYCOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	168 mg/m ³	Workers	Systemic
DNEL	Inhalation	10 mg/m ³	Workers	Local
DNEL	Inhalation	50 mg/m ³	Consumers	Systemic
DNEL	Inhalation	10 mg/m ³	Consumers	Local
PNEC	Fresh water	260 mg/l	-	-

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PNEC	Marine water	26 mg/l	-	-
PNEC	STP	20,000 mg/l	-	-
PNEC	Fresh water sediments	572 mg/kg	-	-
PNEC	Marine sediments	57.2 mg/kg	-	-
PNEC	Soil (agricultural)	50 mg/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: In bulk packaged form, do not discard into Drains, Sewers or surface water courses.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Solid

Colour: Yellow

Odour: Characteristic odour

Evaporation rate: Negligible

Solubility in water: Slightly soluble

Viscosity: Non-viscous

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

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10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DIDECYLDIMETHYLAMMONIUM CHLORIDE

IPR	RAT	LD50	45	mg/kg
ORL	MUS	LD50	268	mg/kg

GLYCERINE

DERMAL	RBT	LD50	> 10000	mg/kg
ORAL	RAT	LD50	12600	mg/kg

PROPYLENE GLYCOL

DERMAL	RBT	LD50	2,000	mg/kg
ORL	RAT	LD50	22,000	mg/kg
VAPOURS	RBT	LC50	317,042	mg/l

PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

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ORAL	-	LD50	>2000 - < 5000	mg/kg
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* Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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Delayed / immediate effects: Immediate effects can be expected after long-term exposure.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

GLYCERINE

Activated Sludge	48H	> 1000	mg/l
Daphnia magna	24H EC50	> 10000	mg/l
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	54000	mg/l

PROPYLENE GLYCOL

GREEN ALGA (<i>Selenastrum capricornutum</i>)	96H EC50	19000	mg/l
MYSID SHRIMP (<i>Mysidopsis bahia</i>)	96H LC50	18800	mg/l
Ceriodaphnia dubia	48H EC50	18340	mg/l
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	40613	mg/l

NON IONIC SURFACTANT

DUCKWEED (<i>Lemna</i> sp.)	EC50	> 1 - < 10	mg/l
Daphnia magna	EC50	> 1 - < 10	mg/l
FISH	LC50	> 1 - < 10	mg/l

12.2. Persistence and degradability

Persistence and degradability: The biodegradability of the surfactants contained in this product are in accordance with the requirements of the EU Detergent Regulation (EC/648/2004). Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Physico-chemical treatment not specified elsewhere in this Annex which

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results in final compounds or mixtures which are discarded by means of any of the other possible disposal operations (e.g. evaporation, drying, calcination, etc.).

Recovery operations: Recovery of components used for pollution abatement.

Waste code number: * 16 03 03

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: * UN1759

14.2. UN proper shipping name

Shipping name: CORROSIVE SOLID, N.O.S.
(DIDECYLDIMETHYLAMMONIUM CHLORIDE)

14.3. Transport hazard class(es)

Transport class: * 8

14.4. Packing group

Packing group: * II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: * No

14.6. Special precautions for user

Special precautions: * No special precautions.

Tunnel code: * E

Transport category: * 2

IMDG seg. group: * 18

Section 15: Regulatory information

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

Specific regulations: * This product is or contains a dangerous chemical for export or import according to Regulation (EC) No 689/2008. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of the 16th December 2008 on Classification, labelling and packaging of Substances and Mixtures. The biodegradability of the surfactants contained in this product are in accordance with the requirements of the EU Detergent Regulation (EC/648/2004).

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.