

SAFETY DATA SHEET

RTU EVAPORATOR CLEANER {FROM BATCH NO. 0605531}

Page: 1

Compilation date: 31/01/2014

Revision date: 6/11/2014

Revision No: 2.0

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

1.1. Product identifier

Product name: RTU EVAPORATOR CLEANER {FROM BATCH NO. 0605531}

Product code: 060

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

Use of substance / mixture: Air Conditioning evaporator cleaner

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: * Eye Irrit. 2: H319

Classification under CHIP: This product has no classification under CHIP.

2.2. Label elements

Label elements under CLP:

Hazard statements: * H319: Causes serious eye irritation.

Signal words: * Warning

Hazard pictograms: * GHS07: Exclamation mark



Precautionary statements: * P261: Avoid breathing spray.

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

SAFETY DATA SHEET

RTU EVAPORATOR CLEANER {FROM BATCH NO. 0605531}

Page: 2

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+350: IF ON SKIN: Gently wash with plenty of soap and water.

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

Label elements under CHIP:

Hazard symbols: No significant hazard.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

S23: Do not breathe spray.

S24/25: Avoid contact with skin and eyes.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

Precautionary phrases: Safety data sheet available for professional user on request.

2.3. Other hazards

Other hazards: *

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Non-classified ingredients:

TRISODIUM NITRILOTRIACETATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
225-768-6	5064-31-3	Xn: R40; Xn: R22; Xi: R36	Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319	<1%

SODIUM SALT ALKYL BENZENE SULPHONIC ACID

285-600-2	85117-50-6	Xi: R38; Xi: R41	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318	<1%
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NON-IONIC SURFACTANT:

-	68991-48-0	Xi: R38; Xi: R41	-	<1%
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AMPHOTERIC SURFACTANT,

239-032-7	14960-06-6	Xi: R36	-	<1%
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Contains: *

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 5 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. If

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SAFETY DATA SHEET

RTU EVAPORATOR CLEANER {FROM BATCH NO. 0605531}

Page: 3

unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours.

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

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

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: No symptoms.

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: 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: Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Remove all incompatible materials as outlined in section 10 of SDS.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. 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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SAFETY DATA SHEET

RTU EVAPORATOR CLEANER {FROM BATCH NO. 0605531}

Page: 4

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Air Conditioning evaporator cleaner

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

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

Respiratory protection: Respiratory protection not required.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses with side-shields. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Evaporation rate: Moderate

Solubility in water: Miscible in all proportions

Relative density: 1.01

pH: 10.42

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

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SAFETY DATA SHEET

RTU EVAPORATOR CLEANER {FROM BATCH NO. 0605531}

Page: 5

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. Acids.

10.6. Hazardous decomposition products

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

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: No data available.

Symptoms / routes of exposure

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

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: No symptoms.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

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). Readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Soluble in water. Readily absorbed into soil.

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SAFETY DATA SHEET

RTU EVAPORATOR CLEANER {FROM BATCH NO. 0605531}

Page: 6

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: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Biological treatment not specified elsewhere which results in final compounds or mixtures which are discarded by means of any of the other possible disposal operations.

Recovery operations: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).

Disposal of packaging: Clean with water. May be reused following decontamination.

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

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable . .

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.

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: H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

R22: Harmful if swallowed.

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SAFETY DATA SHEET

RTU EVAPORATOR CLEANER {FROM BATCH NO. 0605531}

Page: 7

R36: Irritating to eyes.

R38: Irritating to skin.

R40: Limited evidence of a carcinogenic effect.

R41: Risk of serious damage to eyes.

Legend to abbreviations: PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

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.