SAFETY DATA SHEET

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SECTION 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Trade Name	Description	Unit	Code
Raynor	Caustic Oven Decarboniser	2 x 5L UNII	OC003

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

Concentrate to make trigger sprays of Kitchen Degreaser

1.3 Details of the supplier of the safety data sheet

Company Address *Teepol Products, Murray Road, Orpington, Kent BR5 3QY*

Telephone *01689 877020*

Fax *01689 877027*

E-Mail *sales@teepol.co.uk*

1.4 Emergency telephone number

+44 (0)1689 877020 (09:00 - 16:00 Monday to Friday)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP

Acute. Tox. 4 - Inha, H332

Met. Corr. 1, H290

Skin. Corr. 1A B C, H314

2.2 Label elements

Signal Word: DANGER

Hazard Pictograms:

Hazard Statements:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H332 Harmful if inhaled.

Precautionary Statements:

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

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

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

2.3 Other hazards

EUH none None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Substance Name	REACH Reg. No.	CAS-No	EC-No.	Amount [%]
Sodium Hydroxide	**011-002-00-6**	**1310-73-2**	**215-185-5**	**5-15**

Hazard Class	Hazard Category	Hazard Statements
Skin corrosion/irritation	Skin. Corr. 1A B C	H314 Skin corrosion/irritation
Serious eye damage/irritation	Eye. Dam. 1	H318 Serious eye damage/irritation
Corrosive to metals	Met. Corr. 1	H290 Corrosive to metals

Substance Name	REACH Reg. No.	CAS-No	EC-No.	Amount [%]
Alkylamidopropyl Betaine C8-18	**01-2119488533-30-xxxx**	**61789-40-0**	**931-296-8**	**<5**

Hazard Class	Hazard Category	Hazard Statements
Serious eye damage/irritation	Eye. Dam. 1	H318 Serious eye damage/irritation
Hazardous to the aquatic environment	Aquatic Chronic 3	H412 Hazardous to the aquatic environment

Substance Name	REACH Reg. No.	CAS-No	EC-No.	Amount [%]
Propan-2-ol	**603-117-00-0**	**67-63-0**	**200-661-7**	**<5**

Hazard Class	Hazard Category	Hazard Statements
Serious eye damage/irritation	Eye. Irrit. 2	H319 Serious eye damage/irritation
Flammable liquid	Flam. Liq. 2	H225 Flammable liquid

Substance Name	REACH Reg. No.	CAS-No	EC-No.	Amount [%]
Pentasodium Diethylenetriaminepentaacetate	**01-2119474445-33**	**140-01-2**	**205-391-3**	**<5**

Hazard Class	Hazard Category	Hazard Statements
None	None	None None
Acute toxicity	Acute. Tox. 4 - Inha	H332 Acute toxicity

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Remove contaminated clothing and wash off skin/eyes immediately.

After inhalation

Ensure supply of fresh air and seek medical attention.

After contact with skin

Wash splashes from skin immediately. If skin becomes sore or inflamed seek medical attention.

After contact with eyes

Irrigate with water for 10 to 15 minutes until irritation subsides and seek medical attention. **After ingestion:**

If conscious, give plenty of water to drink, do not induce vomiting, obtain medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation may cause pain in respiratory system, sneezing. Soreness and reddening of skin. Painful irritation, reddening and watering of eyes. Ingestion may cause pain in digestive tract.

4.3 Indication of any immediate medical attention and special treatment needed

Use water to neutralize product in the case of skin, eye contact or ingestion.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media: This product is not flammable. Use fire extinguishing media appropriate for surrounding area.

5.1 Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the substance or mixture May produce oxides of carbon, nitrogen, sodium and sulphur.

5.3 Advice fo Fire Fighters

Wear self-contained breathing apparatus and protective clothing as appropriate to the associated fire.

SECTION 6: ACCIDENTAL RELEASE MEAS

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate PPE. Avoid breathing vapours if any and ensure adequate ventilation. Cordon off area to other personnel.

6.2 Environmental precaution

Do not allow to enter surface water drains, soil/subsoil.

6.3 Methods and material for containment and cleaning up

Absorb with sand or binder and dispose of according to local regulations. Small spillages may be flushed to a foul drain.

6.4 Reference to Other Sections: See Section 8 and 13 for more information on exposure and disposal.

SECTION 7: HANDLING and STORAGE

7.1 Precautions for safe handling

Provide good ventilation in working area. Wash hands after use and do not allow to enter surface water drains.

7.2 Conditions for safe storage, including any incompatabilities

Store only in original containers out of reach of children. Storage temperature should be between 5'C and 30'C.

7.3 Specific end use(s)

Use only as directed on the container or label.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control paramenters

(Sodium Hydroxide) OES: TWA 8 hours-STEL 15 mins 2mg/m3.

8.2 Exposure Controls

Do not eat, drink or smoke whilst working and wash hands after use.

Exposure Controls - Eyes: Avoid contact with eyes. Wear suitable eye protection if appropriate.

Exposure Controls - Skin: Wear vinyl, latex or nitrile gloves.

Exposure Controls - Respiratory Avoid inhaling dust from dried material.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance / Odour pH (10% soln.) Golden brown thin liquid with characteristic odour (Method: QP22) >13 (Method: QP03)

Melting/freezing point: 0'C

Flammable / Flash point Not Flammable

Relative density 1.11 g/cm3 @ 20'C (Method: QP07)

Solubility: Soluble/dispersible in water As

Viscosity: water @20'C (Method: QP04)

Oxidising properties: Not applicable.

Explosive properties: Not applicable.

9.2 Other Information

No information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not known to react with other chemicals

10.2 Chemical Stability: No stability concerns **10.3 Hazardous Reactions:** None known

10.6 Hazardous Decomposition Products May produce toxic products of combustion when invoved with a fire.

10.4 Conditions to Avoid: None known **10.5 Incompatible Materials:** None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Substance	Toxicity
Sodium Hydroxide	Toxicological Data: Estimated fatal dose 5.0 grams. Inhalation: Dust from dried product may cause lung damage. Skin Contact: Will cause severe burns. Eye Contact: Will cause injury with possible LOSS OF SIGHT.
Alkylamidopropyl Betaine C8-18	Toxicity values: Route Species Test Value Units ORL RAT LD50 >5000 mg/kg Relevant effects for mixture: Effect Route Basis Irritation OPT Hazardous: calculated Symptoms / routes of exposure Skin contact: There may be irritation and redness at the site of contact. Eye contact: * May cause severe eye injury. There may be irritation and redness. The eyes may water profusely. Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting. Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Propan-2-ol	Acute Toxicity (Oral LD50) > 2000 mg/kg Rat Acute Toxicity (Dermal LD50) > 2000 mg/kg Rabbit Acute Toxicity (Inhalation LC50) > 20 mg/l (vapours) Rat 4 hours Serious Eye Damage/Irritation - Irritating Not sensitizing Not a carcinogen General Information Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Inhalation Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness. Prolonged inhalation of high concentrations may damage respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Harmful: possible risk of irreversible effects through inhalation. Ingestion. - Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Irritating. May be absorbed in the body and cause dizziness, nausea and vomiting. Swallowing concentrated chemical may cause severe internal injury. Skin Contact - Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Risk of sensitisation or allergic reactions among sensitive individuals. Eye Contact - Extreme irritation of eyes and mucous membranes, including burning and tearing. Risk of corneal damage. Route of entry - Inhalation. Ingestion. Skin and/or eye contact. Target Organs - Central nervous system Eyes Gastro-intestinal tract Skin Medical Symptoms - Extreme irritation of eyes and mucous membranes, including burning and tearing. Visual disturbances, incl. Blurred vision. Nausea, vomiting. Headache. Medical Considerations - Splash in eye requires examination by eye specialist.
Pentasodium Diethylenetriamine pentaacetate	11.1. Information on toxicological effects Acute toxicity - inhalation ATE inhalation (gases ppm) 17,482.52 ATE inhalation (vapours mg/l) 42.74 ATE inhalation (dusts/mists mg/l) 5.83 Reproductive toxicity Reproductive toxicity - fertility Contains a substance/a group of substances which may damage the unborn child. Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Ingestion May cause severe internal injury. Skin contact Irritating to skin. Eye contact Irritating to eyes.

No information regarding interactions between the ingredients in this mixture is available, therefore, the information shown above is separately reported for each relevant ingredient used in the mixture even though it may be present below its concentration limit and represent no toxicity in the mixture as a whole.

SECTION 12: ECOLOGICAL INFORMATION

No specific information is available for this mixture, therefore, the following information regarding the relevant substances used in this mixture is provided, even though they may be present below the concentration limit and represent minimal or no toxicity to the environment.

Substance	ECO Toxicity
Sodium Hydroxide	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. 12.1 Toxicity: LC 50, 96 Hrs, FISH mg/l 55.6 EC 50, 48 Hrs, DAPHNIA, mg/l 156 12.2 Persistence and degradability: The product is expected to be biodegradable.

Alkylamidopropyl Betaine C8-18

12.1 Toxicity:
Species Test Value Units
Daphnia magna 48H EC50 21.5 mg/l
MARINE ALGAE (Skeletonema costatum) 48H EC50 30.0 mg/l
12.2. Persistence and degradability
Persistence and degradability: This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of the detergent manufacturer.
12.3. Bioaccumulative potential
12.4. Mobility in soil
Mobility: Soluble in water.
12.5. Results of PBT and vPvB assessment
PBT identification: This substance is not identified as a PBT substance.
12.6. Other adverse effects
Other adverse effects: *

Propan-2-ol

Ecotoxicity:
The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
12.1. Toxicity
Acute Toxicity - Fish LC50 48 hours > 100 mg/l Leuciscusidus (Golden orfe)
Acute Toxicity Aquatic Invertebrates EC50 48 hours > 100mg/l Daphnia magna
Acute Toxicity - Aquatic Plants EC50 72 hours > 100 mg/l Scenedesmus subspicatus
12.2. Persistence and degradability
Degradability:
Readily biodegradable meeting the 10 day window criterion. The product is biodegradable. Oxidises rapidly
by photochemical reactions in air. Integrated environmental half-life expected to be 1-<10 days
Dominant loss process - biodegradation
Chemical Oxygen Demand 2.2 g O2/g
substance 12.3. Bioaccumulative potential
Bioaccumulative Potential:
Does not bioaccumulate significantly
Partition Coefficient 0.05
12.4. Mobility in soil Mobility:
The product is water soluble and may spread in water systems. Large volumes may penetrate soil and could contaminate groundwater
Product remaining on soil surface evaporates within one day If product enters soil it will be mobile and may contaminate groundwater.
12.5. Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB Substances.
12.6. Other adverse effects
The product contains volatile, organic compounds which have a photochemical ozone creation potential.

Pentasodium

Ecotoxicity:

Diethylenetriamine The product components are not classified as environmentally hazardous. However, this does not exclude pentaacetate the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity
Acute Fish Toxicity
Not considered toxic to fish.
12.2. Persistence and degradability
Degradability:
There are no data on the degradability of this
product. 12.3. Bioaccumulative potential
Bioaccumulative Potential:
The product does not contain any substances expected to be bioaccumulating.
12.4. Mobility in soil
Mobility:
The product is soluble in water.
12.5. Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB
Substances. 12.6. Other adverse effects Not
determined.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

When disposing of surplus or waste product use suitable PPE etc. ensuring empty containers are rinsed out and disposed of safely. Do not allow product to enter land or surface water drains. Dispose of in accordance with local authority regulations. Do not mix with other waste materials.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number: 1760

14.2 Shipping Name: Raynor Caustic Oven Decarboniser

14.3 Transport hazard class CORROSIVE LIQUID, N.O.S **:14.4 Packing group:** II

14.5 Environmental Hazards: CORROSIVE LIQUID, N.O.S

14.6 Special precautions for user:

No information

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code:

No information

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environment regulation/legislation specific to the substance or mixture EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration,
Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Guidance

ECHA Guidance on the application of CLP criteria (Version 4: November 2013)
ECHA Guidance on the compilation of safety data sheets (Version 2.1: February 2014)

15.2 Chemical safety assessment

No information

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3

H225 Highly flammable liquid and vapour.

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

Contains: Sodium Hydroxide.

Directions:

Dilute 1 plus 7 water and use via a trigger spray.

Further Information: The latest version of this data sheet may be obtained from the Harvey Waddington Web Site at: www.teepol.co.uk

GLOSSARY: PPE Personal protective equipment. N/A Not applicable. N/K Not known OES Occupational exposure limit
TWA Time weighted average W/V Weight to volume

The data contained in this Safety Data Sheet has been supplied for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

ANIMAL TESTING: Rushbrook do not test their finished products on animals.

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