

SAFETY DATA SHEET

EJ TRIPPLE E

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Compilation date: 22/08/2016

Revision No: 1

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** EJ TRIPPLE E**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

Company name: Electrajet Limited
Unit J3, Glasgow North Trading Estate
24 Craigmont Street
Glasgow
G20 9BT
United Kingdom
Tel: 0845 8500 666
Fax: 0141 946 0441
Email: sales@electrajet.co.uk

1.4. Emergency telephone number**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Aquatic Chronic 3: H412; Skin Corr. 1A: H314; STOT SE 3: H335**Most important adverse effects:** Causes severe skin burns and eye damage. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.**2.2. Label elements****Label elements:**

Hazard statements: H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark



Precautionary statements: P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

Other hazards: Causes burns. Irritating to respiratory system. Risk of serious damage to eyes.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HYDROGEN CHLORIDE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-595-7	7647-01-0	-	Acute Tox. 3: H331; Skin Corr. 1A: H314; Press. Gas: H280	10-30%

ALKYL DIMETHYL AMINE OXIDE - REACH registered number(s): 01-2119490061-47-0000

931-292-6	308062-28-4	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 2: H411	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse with water.

Ingestion: Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Get medical attention immediately.

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

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

Skin contact: Severe burns may occur.

Eye contact: Corneal burns may occur. There may be severe pain. Risk to serious damage to eyes.

Ingestion: Severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

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

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water. Water spray. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. Water fog.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Corrosive. In combustion emits toxic fumes of hydrogen chloride / phosgene. Contact with metals liberates hydrogen gas

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.

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: Cover with dry sodium carbonate. Mix with sand or vermiculite. Absorb into dry earth or sand. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

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

Suitable packaging: Must only be kept in original packaging. Do not use steel containers. Do not use aluminium containers.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
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UK	2 mg/m3	8 mg/m3	-	-
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Hazardous ingredients:

HYDROGEN CHLORIDE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	8 mg/m3	8 mg/m3	-	-

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 protective device with particle filter. Gas/vapour filter, type B: inorganic vapours excl. CO (EN141).

Hand protection: Gloves (acid resistant). Impermeable gloves.

Eye protection: Wear suitable tightly fitting goggles or face shield.

Skin protection: Acid-resistant protective clothing.

Environmental: Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform respective authorities.

If material reaches soil inform authorities responsible for such cases.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Pungent

Evaporation rate: No data available.

Oxidising: No data available.

Viscosity: Non-viscous

Boiling point/range°C: 90

Flash point°C: >93

Part.coeff. n-octanol/water: log Kow -0.25

Autoflammability°C: No data available.

Vapour pressure: 21.8 hPa (20 C)

Relative density: No data available.

pH: 1

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

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10.1. Reactivity

Reactivity: No decomposition if stored and applied as directed

10.2. Chemical stability

Chemical stability: No decomposition if stored and applied as directed

10.3. Possibility of hazardous reactions

Hazardous reactions: Hydrogen, by reaction with metals Explosive properties may develop chlorine if mixed with sodium hypochlorite or oxidizing agents (e.g potassium permanganate, magnesium oxide and hydrogen peroxide)

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Metals, sodium hypochlorite, Amines, fluorine, Strong oxidizing agents, Chlorite, Cyanides, alkalines

10.6. Hazardous decomposition products

Haz. decomp. products: Hydrogen chloride gas

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ALKYL DIMETHYL AMINE OXIDE

ORAL	RAT	LD50	1064	mg/kg
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Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 3)	-	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: Severe burns may occur.

Eye contact: Corneal burns may occur. There may be severe pain. Risk to serious damage to eyes

Ingestion: Severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach

Section 12: Ecological information

12.1. Toxicity

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Hazardous ingredients:

ALKYL DIMETHYL AMINE OXIDE

DAPHNIA	48H EC50	3,1	mg/l
FISH	96H LC50	2,67	mg/l

12.2. Persistence and degradability

Persistence and degradability: Inorganic product which is not removable from water to biological processes

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Not expected to absorb on soil

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: Harmful to aquatic organisms. Neutralization is normally necessary before waste water is discharged into water treatment plants.

Do not flush into surface water or sanitary sewer system.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

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: UN1789

14.2. UN proper shipping name

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

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14.6. Special precautions for user

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Phrases used in s.2 and s.3: H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

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.