



Material Safety Data Sheet

Accepta 2018

Date issued: 01-06-2004

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name:	ACCEPTA 2018
Application:	Boiler steam condensate treatment (Neutralising amine)
Company Identification:	Accepta Ltd. Quay West Trafford Wharf Road Manchester M17 1HH United Kingdom
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2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION: Water, Cyclohexylamine

HAZARDOUS INGREDIENTS:

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
108-91-8	2036290	Cyclohexylamine	30-40	C	10,21/22,34

3. HAZARD IDENTIFICATION

HUMAN HEALTH HAZARDS: Acute

INHALATION: Corrosive to respiratory system. Components of the product may affect the nervous system. May cause nausea and vomiting.

SKIN CONTACT: Causes burns. Can be absorbed through the skin.

EYE CONTACT: Causes burns. May cause permanent damage to eyes.

INGESTION: Corrosive, causes burns to gastro-intestinal tract. Nausea, vomiting and stomach pain may occur. In severe cases blood may be vomited. Harmful if swallowed. Liver injury may occur. Kidney injury may occur.

ENVIRONMENTAL HAZARDS: Cyclohexylamine - Harmful to aquatic organisms

PHYSICAL AND CHEMICAL HAZARDS: Vapors may form explosive mixtures with air.
FLASH POINT 60 °C but does not support combustion at temperatures up to 75 °C.



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4. FIRST AID MEASURES

INHALATION: Remove to fresh air, rest, treat symptomatically. Obtain medical attention.
SKIN CONTACT: Speed is essential. Remove contaminated clothing. Wash off affected area immediately with plenty of water. If severe burns have occurred and areas of skin are destroyed, cover the burned area with clean dry non-fluffy material and obtain medical attention.
EYE CONTACT: Speed is essential. Immediately gently irrigate with clean water for at least 15 minutes. Move eyeball and keep eyelids wide open and apart whilst irrigating. Obtain medical attention.
INGESTION: Do not induce vomiting without medical advice. If conscious wash out mouth and give 500ml of water to drink. Obtain medical attention.

ADDITIONAL INFORMATION

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, foam, dry powder, carbon dioxide
Do not use water jets
UNSUITABLE EXTINGUISHING MEDIA:

FIRE AND EXPLOSION HAZARD: Oxides of nitrogen, Oxides of carbon (under fire conditions).

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING: In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Water mist may be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Remove sources of ignition. Do not breathe vapour. Ensure adequate ventilation. Wear organic vapour respirator if ventilation is inadequate. Wear chemical resistant apron, chemical splash goggles, impervious gloves and wellington boots. A full slicker suit is recommended if gross exposure is possible.

ENVIRONMENTAL PRECAUTIONS: Do not allow to enter sewers or water courses. If spillage does enter sewers or water courses, immediately inform the appropriate water authorities.

METHODS FOR CLEANING UP: Contain and absorb with sand or vermiculite and mix well. Collect up and remove to a safe place until disposal. Wash site of spillage thoroughly with water and detergent. Assistance can be obtained from waste disposal companies.



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7. HANDLING AND STORAGE

HANDLING: Prevent contact with skin, eyes and clothing. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse. Discard contaminated shoes, belts and other articles made of leather. Use with adequate ventilation. Keep away from sources of ignition - No smoking

STORAGE CONDITIONS: Protect from freezing. Keep container tightly closed in a cool, well-ventilated place. Store separately from oxidizers.

CONSTRUCTION MATERIAL COMPATIBILITY:

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

NATIONAL REGULATIONS GERMANY

Cyclohexylamine: MAK 10 ppm (40 mg/m³)

NATIONAL REGULATIONS UK

Cyclohexylamine: OES TWA 10 ppm

NATIONAL REGULATIONS SWITZERLAND

Cyclohexylamine: TWA 10 ppm, STEL 20 ppm

NATIONAL REGULATIONS FRANCE

Cyclohexylamine: VME 10 ppm, 40 mg/m³

NATIONAL REGULATIONS HOLLAND

Cyclohexylamine: MAC TGG 10 ppm

NATIONAL REGULATIONS SWEDEN

Cyclohexylamine: NGV 20 mg/m³, KTV 40 mg/m³

NATIONAL REGULATIONS FINLAND

Cyclohexylamine: HTP 41 mg/m³ (15 min.) (Skin)

NATIONAL REGULATIONS NORWAY

Use only in a closed system.

Cyclohexylamine: TLV 40 mg/m³ (skin)

NATIONAL REGULATIONS DENMARK

Cyclohexylamine: GV 40 mg/m³ (skin)



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8. EXPOSURE CONTROL/PERSONAL PROTECTION (cont..)

ENGINEERING MEASURES

Use a closed dosing system. General ventilation is recommended. Local exhaust ventilation if necessary to control airborne levels below the exposure guidelines.

RESPIRATORY PROTECTION: An approved respirator must be worn if the occupational exposure limit is likely to be exceeded. Cyclohexylamine rich air will be displaced when refilling stock tanks. If it is necessary to remain near to the container at such times and the area is poorly ventilated an approved respirator should be worn.(filter-type: DIN 3181).

HAND PROTECTION Nitrile gloves, Neoprene gloves or Butyl gloves

SKIN PROTECTION: Apron and boots.

EYE PROTECTION: Chemical splash goggles

HYGIENE RECOMMENDATIONS: Keep an eye wash fountain available. Keep a safety shower available. Wash hands during breaks and at end of the shift. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: These physical properties are typical values for this product

FORM: Liquid

COLOUR: Clear - Colourless Straw

ODOUR: Amine

MELTING POINT: NA

FLASH POINT: 60 °C

RELATIVE DENSITY: 0.95-0.97 (25 °C)

SOLUBILITY IN WATER: Complete

pH 12.1

Abbreviation: NE = not evaluated, NA = not applicable, NR = not relevant



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10. STABILITY AND REACTIVITY

STABILITY: Stable under ambient conditions

CONDITIONS TO AVOID: Heat and sources of ignition. Freezing temperatures..

MATERIALS TO AVOID: Acids, Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen, Oxides of carbon (under fire conditions).

11. TOXICOLOGICAL INFORMATION

Please refer to section 3 for hazards identification.

ACUTE TOXICITY DATA:

ACUTE LETHALITY VALUES: The following results are for a similar product

Oral (rat) LD₅₀ = 319 mg/kg.

Dermal (rabbit) LD₅₀ = 1286 mg/kg.

PRIMARY (DRAIZE TEST) SKIN/EYE: The following results are for a similar product

Primary skin irritation: 8.0 /8.0

Primary eye irritation 110.0 /110.0

SENSITIZATION: Cyclohexylamine - May cause sensitisation by skin contact.

CHRONIC TOXICITY DATA: No data available.

12. ECOLOGICAL INFORMATION

PERSISTENCY AND DEGRADATION:

Biological Oxygen Demand (BOD₅): 2800 ppm

Chemical Oxygen Demand (COD): 637000 ppm

MOBILITY AND BIOACCUMULATION POTENTIAL: No data available.

ECOTOXICOLOGICAL EFFECTS:

Cyclohexylamine LC_{50/96H/Oncorhynchus Mykiss} (Rainbow Trout)= 55,1 mg/l

ADDITIONAL ECOLOGICAL DATA:



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13. DISPOSAL CONSIDERATIONS

Via authorized contractor. If this product becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code.

NATIONAL REGULATIONS UK: In accordance with the Environmental Protection (Duty of Care) Regulations 1991. Special Waste Regulations 1996 apply.

14. TRANSPORT INFORMATION

Class: 8 Packing Group: II; UN No. 2735
Proper shipping name: AMINES, LIQUID , CORROSIVE, FLAMMABLE, N.O.S. Contains:
Cyclohexylamine
ADR/RID, H.I.n.: 80
ADR/RID, No: 53 (b)
IMDG Page 8109-2
EmS-Nr.: 8-05
MFAG-Nr.: 320

15. REGULATORY INFORMATION

CLASSIFICATION:
HAZARD SYMBOL: Corrosive



C, CORROSIVE

Contains: Cyclohexylamine

RISK PHRASES: R34 Causes burns. R22 Harmful if swallowed.

SAFETY PHRASES: S23 Do not breathe vapour. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

NATIONAL REGULATIONS GERMANY

VbF-Klasse: None

WHG-WGK: 1 Classification according VwVwS v. 17.05.99, Anhang 4)

StörfallVO: /12.BImSchV.Liste d. Anh. II): Nr. 3

TA-Luft:

Berufsgenossensch. Vorschriften: Take notice of UVV-Chemie

Hinweise zur Beschäftigungsbeschränkung: Observe § 15 of regulations for hazardous substances.

NATIONAL REGULATIONS UK

COSHH regulations apply. A precaution card is available and should be displayed wherever this product is used and stored (REF.CXnRP)

NATIONAL REGULATIONS FRANCE

Cyclohexylamine: Tableau des maladies professionnelles n°49.



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16. OTHER INFORMATION

FOOD AND DRUG ADMINISTRATION (FDA) Federal Food, Drug and Cosmetic Act.. Product complies with 21CFR173.310.

Emergency Telephone Number +44 (0) 161 240 2100