SAFETY DATA SHEET

NTA 38-40% Liquid

Issued: 29/07/2014
Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product identifier:

Product name: NTA 38-40% Liquid

Synonyms: TRISODIUM NITRILOTRIACETATE(38%) NTA

Relevant identified uses of the substance or mixture and uses advised against:

Use of substance / mixture: Chelating agent.

Company name:

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification under CHIP: Xi: R36/38; Xn: R40

Classification under CLP: Acute Tox. 4: H302; Carc. 2: H351; Eye Irrit. 2: H319; Skin Irrit. 2: H315

Most important adverse effects: Irritating to eyes and skin. Limited evidence of a carcinogenic effect.

Label elements

Label elements under CLP:

Hazard statements: *H302: Harmful if swallowed.
H351: Suspected of causing cancer [kidneys].
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Signal words: *Warning

Hazard pictograms: *GHS07: Exclamation mark
GHS08: Health hazard

[cont...]

Precautionary statements: * P202: Do not handle until all safety precautions have been read and understood.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313: IF exposed or concerned: Get medical attention.
P330: Rinse mouth.
P270: Do not eat, drink or smoke when using this product.

Label elements under CHIP:

Hazard symbols: Harmful.

Risk phrases: *R36/38: Irritating to eyes and skin.
R40: Limited evidence of a carcinogenic effect.

Safety phrases: S36/37: Wear suitable protective clothing and gloves.

Other hazards:

PBT: This substance is not identified as a PBT substance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures:

Hazardous 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	25-40%
SODIUM HYDROXIDE				
215-185-5	1310-73-2	C: R35	Skin Corr. 1A: H314 <	1%

4. FIRST AID MEASURES

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. Seek medical advice if irritation occurs after washing.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible. [cont...]

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

Most important symptoms and effects, both acute and delayed:

Skin contact: There may be irritation and redness at the site of contact. Irritation or pain may occur at the site of contact. An itchy rash may occur at the site of contact.

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

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath.

Indication of any immediate medical attention and special treatment needed

5. FIRE-FIGHTING MEASURES

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

Special hazards arising from the substance or mixture:

Exposure hazards: *In combustion emits toxic fumes.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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

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

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.

7. HANDLING AND STORAGE

Precautions for safe handling

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

Conditions for safe storage, including any incompatibilities:

Storage conditions: Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging. Do not use aluminium containers. [cont...]

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

Hazardous ingredients: SODIUM HYDROXIDE

Workplace exposure limits: Respirable dust

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

Exposure controls:

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

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

State: Liquid

Colour: Pale yellow

Odour: Ammoniacal.

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Viscosity: Non-viscous

Kinematic visc. 40°C (mm²/s): 20cPs

Viscosity test method: Kinematic viscosity in 10-6 m2/s at 40°C (ISO 3104/3105)

Boiling point/range°C: 106 **Relative density:** ~1.30

pH: exact value...

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Materials to avoid: Oxidising agents. Aluminium. Copper. Nickel. Zinc. Carbon steel. Their alloys.

Hazardous decomposition products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORL	RAT	LD50	>2000	mg/kg

[cont...]

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact. Irritation or pain may occur at the site of contact. An itchy rash may occur at the site of contact.

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

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath.

12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	>100	mg/l

Persistence and degradability: Biodegradable.

Mobility in soil

Mobility: Soluble in water.

Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Disposal operations: Must be disposed of in accordance with local and national regulations.

Disposal of packaging: Dispose of as normal industrial waste.

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

14. TRANSPORT INFORMATION

UN number: UN3267

UN proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. ((Trisodium nitrilotriacetate))

[cont...]

Transport hazard class(es)

Transport class: 8

Packing group: III

Environmentally hazardous: No **Marine pollutant:** No

15. REGULATORY INFORMATION

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

Note: The regulatory information given above only indicates the principal regulations specifically Applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. 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 3:
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
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.
R35: Causes severe burns.
R36/38: Irritating to eyes and skin.
R36: Irritating to eyes.
R40: Limited evidence of a carcinogenic effect.

Legal disclaimer: The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.