



SAFETY DATA SHEET BARTOLINE - Clean Spirit

According to Regulation (EC) No 1907/2006 Annex II as amended by Regulation (EU) 2015/830.

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

1.1. Product identifier

Product name BARTOLINE - Clean Spirit

REACH registration notes No REACH registration number required as this product is a mixture.

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

Identified uses Cleaning agent.

Uses advised against Not to be used for thinning oil based paints. Reason: product is water based and will not work.

1.3. Details of the supplier of the safety data sheet

Supplier Bartoline Limited
Barmston Close
Beverley
East Yorkshire
HU17 0LW
01482 678710
info@bartoline.co.uk

Contact person Product Compliance Manager

1.4. Emergency telephone number

Emergency telephone 01482 678710 (8.30am - 4.45pm Monday to Friday) or NHS 111 (General Public) (24 Hour service)

National emergency telephone number National Poisons Information Service (24hours) 0844 892 0111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

BARTOLINE - Clean Spirit

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Composition comments A solution of surfactants and water soluble solvents dissolved in water. Other than indicated this mixture does not contain any substances equal to or greater than 1% for: (a) substances which present a health or environmental hazard within the meaning of Regulation (EC) No 1272/2008; or (b) substances for which a Union workplace exposure limits have been assigned. This product does not contain any substances classified as Substances of Very High Concern (SVHCs).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information This is a non hazardous mixture and as such any ill health effects are unlikely to have been caused by contact with this product.

Inhalation Unlikely route of exposure. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. If breathing stops, provide artificial respiration. If in doubt, get medical attention promptly.

Ingestion Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact It is unlikely that any adverse symptoms occur. Rinse immediately with plenty of water. Get medical attention if symptoms are severe or persist.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms are severe or persist after washing.

Protection of first aiders This is a non hazardous product and therefore no protection should be required, however consideration should be given to other contaminants in the workplace.

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

General information The product is considered to be a low hazard under normal conditions of use.

Inhalation Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.

Ingestion The product is considered to be a low hazard under normal conditions of use. No harmful effects expected from quantities likely to be ingested by accident.

Skin contact The product is considered to be a low hazard under normal conditions of use. No specific symptoms known. Skin irritation should not occur when used as recommended. Prolonged or repeated contact may cause irritation and dry skin.

Eye contact The product is considered to be a low hazard under normal conditions of use. May cause temporary eye irritation.

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

Notes for the doctor Treat symptomatically.

Specific treatments No specific chemical antidote is known to be required after exposure to this product.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards None known.

Hazardous combustion products Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentrations.

5.3. Advice for firefighters

Protective actions during firefighting Move containers from fire area if it can be done without risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials. Wear fire/flame resistant/retardant clothing. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Keep unnecessary and unprotected personnel away from the spillage. For personal protection, see Section 8. Take care as floors and other surfaces may become slippery. Wash thoroughly after dealing with a spillage.

For non-emergency personnel No specific advice required.

For emergency responders Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

6.2. Environmental precautions

Environmental precautions The product is not expected to be toxic to aquatic organisms. The product is biodegradable but it must not be discharged into drains without permission from the authorities. However, large or frequent spills may have hazardous effects on the environment. To prevent release, place container with damaged side up. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up To prevent release, place container with damaged side up. Take care as floors and other surfaces may become slippery. Flush spilled material into an effluent treatment plant, or proceed as follows. Collect spillage for reclamation or absorb in vermiculite, dry sand or similar material. Flush contaminated area with plenty of water. Discharge of small quantities to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. For waste disposal, see Section 13.

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6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with eyes and prolonged skin contact. Do not eat, drink or smoke when using this product. Do not handle broken packages without protective equipment. Good personal hygiene procedures should be implemented. Wash contaminated skin thoroughly after handling. Read and follow manufacturer's recommendations.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Wash contaminated skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at temperatures between 5°C and 30°C.

Storage class Unspecified storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description Always follow on pack instructions when using this product. Apply "common sense" measures when handling this product. Keep out of reach of children. Keep containers closed when not in use. Where possible avoid prolonged contact with the skin. People with sensitive skin should wear rubber protective gloves.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

There are no occupational exposure limits for the product as a whole. See information for listed hazardous ingredients.

trisodium nitrilotriacetate

According to the Suppliers MSDS this substance has no occupational exposure limit values.

Ingredient comments There is no data for the product as a whole, see comments on individual constituents.

trisodium nitrilotriacetate (CAS: 5064-31-3)

DNEL	Data taken from the suppliers MSDS. Workers - Inhalation; Short term systemic effects: 5.25 mg/m ³ Workers - Inhalation; Long term systemic effects: 3.5 mg/m ³ Consumer - Inhalation; Long term systemic effects: 1.75 mg/m ³ Consumer - Inhalation; Long term systemic effects: 0.5 mg/kg/day Data taken from the ECHA REACH Registration Portal. General population - Inhalation; Long term systemic effects: 0.8 mg/m ³ General population - Inhalation; Short term systemic effects: 2.4 mg/m ³ General population - Oral; Long term systemic effects: 0.3 mg/kg/day General population - Oral; Short term systemic effects: 0.9 mg/kg/day
DMEL	No data available from supplier MSDS or REACH Registration portal.

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PNEC

Data taken from the suppliers MSDS.

- Fresh water; Long term 0.93 mg/l
- Marine water; 0.093 mg/l
- Intermittent release; 0.915 mg/l
- STP; 540 mg/l
- Sediment (Freshwater); 3.64 mg/kg
- Sediment (Marinewater); 0.364 mg/kg
- Soil; 0.182 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Chemical splash goggles and face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Although the product is not classified as a skin irritant, the wearing of gloves is recommended for people with sensitive skin or for prolonged or repeated use. Wear protective gloves made of the following material: Butyl rubber. Nitrile rubber. Polyvinyl chloride (PVC). Rubber (natural, latex).

Other skin and body protection

Given the identified use of the product additional skin and body protection should not be required.

Hygiene measures

Good personal hygiene procedures should be implemented. Wash hands thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. Use appropriate hand lotion to prevent defatting and cracking of skin. Do not eat, drink or smoke when using this product. No other specific measures identified.

Respiratory protection

If used in accordance with section 7 of this MSDS the use of respiratory protection should not be required.

Thermal hazards

Not Applicable

Environmental exposure controls

Keep container tightly sealed when not in use. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless.
Odour	Detergent.
Odour threshold	Not available.
pH	pH (concentrated solution): 10 - 10.5
Melting point	Not applicable.
Initial boiling point and range	100 Degrees C (water)

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Flash point	Not applicable. Water Based
Evaporation rate	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Relative density	1.012 @ 15°C
Solubility(ies)	Soluble in the following materials: Water
Partition coefficient	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not available.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	This product is not considered oxidising based on chemical structure considerations.
Comments	Information given is applicable to the product in its ready-to-use form. Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

9.2. Other information

Volatile organic compound This product contains a maximum VOC content of 63 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. If exposed to temperatures above 35 Degrees C the product will become cloudy. This cloudy effect will not affect the performance or safety of the product.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Keep at temperature not exceeding 35°C. Avoid exposure to high temperatures or direct sunlight. Avoid freezing.

10.5. Incompatible materials

Materials to avoid Acids - oxidising.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects This product has low toxicity. Only large volumes may have adverse impact on human health. See information on individual substances below.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met. There is no evidence that the product can cause respiratory hypersensitivity.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met. There is no evidence that the product can cause cancer. Contains a substance which has limited evidence of carcinogenic effects. The quantity of this ingredient is well below the specific concentration limit for the substance.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

General information

Only large quantities are likely to have adverse effects on human health. This product has low toxicity.

Inhalation

Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.

Ingestion

The product is considered to be a low hazard under normal conditions of use. No harmful effects expected from quantities likely to be ingested by accident.

Skin contact

The product is considered to be a low hazard under normal conditions of use. Skin irritation should not occur when used as recommended.

Eye contact

This mixture does not meet the EU criteria for classification. Any eye contact may cause a burning feeling and temporary redness.

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Acute and chronic health hazards	Because of the product's quantity and composition, the health hazard is regarded as low. No known chronic or acute health risks. No specific long-term effects known.
Route of exposure	Inhalation Ingestion Skin and/or eye contact
Target organs	Eyes Skin
Medical considerations	The following pre-existing or historic medical conditions of the worker may lead to an increased risk of adverse health effects following exposure to this product: History of smoking. Pre-existing eye problems. Skin disorders and allergies.

Toxicological information on ingredients.

trisodium nitrilotriacetate

Toxicological effects	The data quoted is taken from the REACH registration portal for this substance and the suppliers MSDS.
<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	1,740.0
Species	Rat
ATE oral (mg/kg)	1,740.0
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	2,000.1
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Trisodium nitrilotriacetate (NTA) was classed as non-irritating when applied as finely ground powder or as 10 % aqueous solution to intact skin of male and female rabbits.
Animal data	Based on available data the classification criteria are not met.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Irritation of eyes is assumed. Trisodium nitrilotriacetate (NTA) was classed as a mild eye irritant in male and female rabbits when applied as fine ground powder. The average maximum score was 23.0 out of a possible 110 in one hour.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Conclusive data but not sufficient for classification.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met. In a study with 66 human volunteers 20% Na3NTA was applied in 1% liquid detergent. Signs of skin irritation were not reported. After 3 induction per week for 3 consecutive weeks challenge was performed with 20% Na3NTA. In this study, Trisodium nitrilotriacetate is not considered a dermal sensitizer.
<u>Germ cell mutagenicity</u>	

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Genotoxicity - in vitro	In none of the very different experimental conditions was NTA found to be able to significantly increase the frequency of chromosomal aberrations, including that of polyploid cells.
Genotoxicity - in vivo	The test substance Trilon A 92 R does not lead to a chromosome-damaging (clastogenic) effect nor does it lead to any impairment of chromosome distribution in the course of mitosis (aneugenic activity) in bone marrow cells in vivo.
<u>Carcinogenicity</u>	
Carcinogenicity	Suspected of causing cancer. In rats exposed to 20000ppm Na3NTA.H2O in their diets, levels of urinary tract neoplastic changes were elevated over controls. The principle tumour type was the occurrence of transitional-cell type primary tumours of the urinary tract. Endocrine tumour incidence was increased in both low and mid dose groups relative to controls.
Target organ for carcinogenicity	Kidneys
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	- NOAEL 450 mg/kg/day, Oral, Rat F2b, F1c - NOEL systemic 90 mg/kg/day, Oral, Rat F2b, F1c - LOAEL 450 mg/kg/day, Oral, Rat F2b, F1c No significant effects on reproduction at 450 mg/kg/d.
Reproductive toxicity - development	Developmental toxicity: - NOAEL: 450 mg/kg/day, Oral, Rat Maternal toxicity: - NOAEL: 90 mg/kg/day, Oral, Rat Maternal toxicity: - LOAEL: 450 mg/kg/day, Oral, Rat No significant effects on embryonic development at dose levels up to 450 mg/kg/d. Teratogenicity: - NOAEL: 250 mg/kg/day, Oral, Rabbit No delirious effect on the development of the fetuses was observed in rabbits receiving Na3NTA up to 250 mg/kg/d.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	RD50 4.25 mg/l, Inhalation, Rat The results of this study show sensory irritation to be present in rats at levels of 2.86 and 4.25 mg/L NTA. The RD50 value was estimated to be 4.25 mg/L (close to the maximum attainable concentration). Sensory irritation was absent at a level of 0.91mg/L NTA.
Target organs	Lungs
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Conclusive data but not sufficient for classification.
<u>Aspiration hazard</u>	
Aspiration hazard	Conclusive data but not sufficient for classification.
Inhalation	Not available.

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Ingestion	In an absorption and excretion study according to OECD 417 Na ₃ N ₃ T ₃ A was administered to male Wistar rats in single oral administration at dose levels of 500 mg/kg and 25 mg/kg bw, and repeated oral administration at a dose level of 500 mg/kg/day, nominally. After single and repeated oral administration Na ₃ N ₃ T ₃ A was rapidly absorbed from the gastrointestinal tract. Absorption, however, was incomplete amounting to about 50 % of the dose applied. Excretion was rapid with an urinary excretion half-life of about 5-6 hours. The investigation does not give an indication that induction or saturation of urinary excretion of Na ₃ N ₃ T ₃ A occurs after repeated oral administration. The experiment does not indicate any bioaccumulation potential. This absorption and excretion study in male Wistar rats is classified acceptable and satisfies the guideline requirements in rats according to OECD 417.
Skin contact	Not available.
Eye contact	Not available.

SECTION 12: Ecological Information

Ecotoxicity	The product is not expected to be hazardous to the environment. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.
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Ecological information on ingredients.

trisodium nitrilotriacetate

Ecotoxicity	Information taken from suppliers MSDS and REACH Registration portal.
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12.1. Toxicity

Ecological information on ingredients.

trisodium nitrilotriacetate

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: >100 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: >100 mg/l, Algae
Acute toxicity - microorganisms	EC ₅₀ , 8 hours: 560-1000 mg/l, Pseudomonas fluorescens
Acute toxicity - terrestrial	Scientifically unjustified.

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	Not available.
Short term toxicity - embryo and sac fry stages	Not available.
Chronic toxicity - aquatic invertebrates	Survival. NOEC, 141 days: 9.3 mg/l, Gammarus pseudolimnaeus Reproduction. NOEC, 141 days: 18.7 mg/l, Gammarus pseudolimnaeus

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Toxicity to soil	Not available.
Toxicity to terrestrial plants	Study scientifically unjustified

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) 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 a detergent manufacturer. The other substances in the product are expected to be readily biodegradable.

Ecological information on ingredients.

trisodium nitrilotriacetate

Persistence and degradability	The product is expected to be biodegradable.
Stability (hydrolysis)	Not available.
Biodegradation	<p>Water - Degradation 100: 14 days</p> <p>The aerobic biodegradation of Trisodium nitrilotriacetate (Na₃NTA) was studied using river water and industrial WWTP effluent. The initial concentration of Na₃NTA applied was 70 mg/l. The experiment was conducted in accordance with the OECD-Method 301 E. The test performed for 14 days determined that Trisodium nitrilotriacetate is 100 % biodegradable. The original test report (BASF (1983b) Labor Oekologie, unveröffentlichte Untersuchung, Testnummer OT/1/83/5) is unpublished and not available. The test results of this unpublished report were cited from the EU RAR 2005.</p> <p>Water - Half-life 100: 50 hours</p> <p>In summary, kinetics of NTA degradation were studied in an estuarine water system from Canada with prior history of NTA exposure. Degradation followed first-order kinetics and the estimated mineralisation half-life was ~2 days. Degradation had no lag phase, indicating adaption of bacteria to prior NTA exposure. No consistent effect of salinity (4 – 19 %) or DOC (2-12 mg/l) on NTA degradation rates was observed.</p> <p>Water - Degradation :</p> <p>The decomposition of trisodium nitrilotriacetate monohydrate (NTA) in soils was studied by performing analyses for NTA and inorganic nitrogen after incubation of NTA-treated soils (200 mg NTA/kg soil d.w.) for various times (>= 7 - <= 42 days) at 30 °C.</p>

The results showed that NTA is readily decomposed by soil microorganisms under aerobic or anaerobic conditions and that NTA-N is converted to nitrate and ammonium under aerobic and anaerobic conditions, respectively.

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12.3. Bioaccumulative potential

Partition coefficient Not applicable.

Ecological information on ingredients.

trisodium nitrilotriacetate

Bioaccumulative potential The EU RAR 2005 cites results of a study conducted by Lentz and Lidzba, 1988 (original reference not available), determining the bioaccumulation by a series of species (fish, snail, backswimmer, worm, frog, and crayfish). Na₃NTA was tested at a concentration of 400 µg/l. The available data demonstrate that only a low accumulation of Na₃NTA occurs in the hydrosphere. For exposure calculations, a BCF value of 3 l/kg is recommended.

Partition coefficient Not available.

12.4. Mobility in soil

Ecological information on ingredients.

trisodium nitrilotriacetate

Mobility The product is soluble in water.

Adsorption/desorption coefficient Water - Kd: 2.8 @ 20°C Water - Kd: 0.8 @ 20°C Water - Kd: 0.22 @ 20°C The loam soil evidenced greatest sorption of NTA, with sand being the least effective as sorbant. At equilibrium concentration of 50 mg/l of NTA in water, sorption values for the loam, sand, and clay-loam soils were 64, 28, and 8.7 µg NTA/g soil, respectively. For an equilibrium concentration of 5 mg NTA/l were 10.2, 3.5, and 0.98 µg NTA/g soil. The results of this study show that NTA is not strongly sorbed by any of the three soils studied.

Henry's law constant Not available.

Surface tension Not available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

trisodium nitrilotriacetate

Results of PBT and vPvB assessment This substance is considered not to be PBT and vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Dispose of waste product or used containers in accordance with local regulations Waste should be treated as controlled waste. Waste packaging should be collected for reuse or recycling.

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Disposal methods	Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor. Following dilution, discharge to the sewer with plenty of water may be permitted. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority. Waste packaging should be collected for reuse or recycling.
Waste class	The following EU Waste Catalogue codes are applicable to this product: Liquid Waste 20 01 30 Detergents other than those mentioned in 20 01 29. Empty plastic containers can be disposed of using EU Waste code 15 01 02 plastic packaging. These codes have been assigned based on the actual composition of the product as supplied. If mixed with other wastes, the waste codes quoted may not be applicable.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

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

National regulations

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

Control of Substances Hazardous to Health Regulations 2002 (as amended).

EH40/2005 Workplace exposure limits.

Health and Safety at Work etc. Act 1974 (as amended).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

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EU legislation	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments. 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 (as amended). 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) (as amended).
Guidance	Workplace Exposure Limits EH40.
Authorisations (Title VII Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	Only trained personnel should use this material.
Training advice	The information on directions for use can be found on the product label. It is important to ensure that anyone using this product in the workplace has been adequately trained and in particular: The use of personal protective equipment, methods of cleaning up and disposal of waste. The basic first aid arrangements.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Issued by	Product Compliance Manager
Revision date	29/03/2018
Revision	5
SDS number	4739

The information contained in this data sheet is provided in accordance with the requirements of the Regulation (EC) No 1907/2006 Annex II as amended by Regulation (EU) 2015/830 and Regulation (EC) No 1272/2008 (CLP). The product should not be used for purposes other than those shown in Section 1.2. As the specific conditions of use are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present knowledge and the current EU and UK Legislation. It provides guidance on health, safety and environmental aspects of the product and should not be taken as a product specification. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.