

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product code : 8800ABS

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Cleaning product: component

1.3. Supplier

POWERCAT LLC
1711 South St
Racine, WI

1.4. Emergency telephone number

Emergency number : 800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

| | | |
|------------------------------------------------------------------|------|-------------------------------------------------------------------|
| Corrosive to metals Category 1 | H290 | May be corrosive to metals |
| Acute toxicity (oral) Category 4 | H302 | Harmful if swallowed |
| Skin corrosion/irritation Category 1 | H314 | Causes severe skin burns and eye damage |
| Serious eye damage/eye irritation Category 1 | H318 | Causes serious eye damage |
| Carcinogenicity Category 2 | H351 | Suspected of causing cancer |
| Specific target organ toxicity (repeated exposure) Category 2 | H373 | May cause damage to organs through prolonged or repeated exposure |
| Hazardous to the aquatic environment - Chronic Hazard Category 3 | H412 | Harmful to aquatic life with long lasting effects |

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H290 - May be corrosive to metals
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS US) :

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P234 - Keep only in original container.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.

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P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 - If swallowed: Call a poison center/doctor if you feel unwell
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313 - If exposed or concerned: Get medical advice/attention.
P310 - Immediately call a poison center/doctor
P314 - Get medical advice/attention if you feel unwell.
P330 - Rinse mouth.
P363 - Wash contaminated clothing before reuse.
P390 - Absorb spillage to prevent material-damage.
P405 - Store locked up.
P406 - Store in corrosive resistant container with a resistant inner liner.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local regulations

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|----------------------------------|----------------------|----------------|
| NONOXYNOL | CAS-No.: 127087-87-0 | 7.722 – 23.166 |
| QUATERNARY AMMONIUM COMPOUNDS | CAS-No.: PROPRIETARY | 2.703 – 12.355 |
| TETRASODIUM EDTA | CAS-No.: 64-02-8 | 9.724 – 10.249 |
| C10-C16 ALKYLDIMETHYLAMINE OXIDE | CAS-No.: 70592-80-2 | 1.12 – 4.788 |
| TRISODIUM NITRILOTRIACETATE | CAS-No.: 5064-31-3 | 0.1 – 1 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center/doctor/physician if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

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| | |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Soap may be used. Take victim to a doctor if irritation persists. |
| First-aid measures after eye contact | : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| First-aid measures after ingestion | : If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting because of corrosive effects. Rinse mouth out with water. |

4.2. Most important symptoms and effects (acute and delayed)

| | |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects after inhalation | : Coughing. Dizziness. |
| Symptoms/effects after skin contact | : Blisters. Burns. Causes skin irritation. |
| Symptoms/effects after eye contact | : Causes serious eye damage. |
| Symptoms/effects after ingestion | : Abdominal pain, nausea. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Ingestion may cause nausea and vomiting. |

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

| | |
|------------------------------|-----------------------------------------------------------------------|
| Suitable extinguishing media | : Adapt extinguishing media to the environment for surrounding fires. |
|------------------------------|-----------------------------------------------------------------------|

5.2. Specific hazards arising from the chemical

| | |
|----------------------------|-------------------------------|
| Fire hazard | : Not flammable. |
| Explosion hazard | : No direct explosion hazard. |
| Reactivity in case of fire | : Product is not explosive. |

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions | : Evacuate area. Exercise caution when fighting any chemical fire. Fight fire with normal precautions from a reasonable distance. |
| Protection during firefighting | : Wear recommended personal protective equipment. Wear fire/flame resistant/retardant clothing. Self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|-----------------------------------------------------------------|
| General measures | : Avoid contact with skin and eyes. Stop leak if safe to do so. |
|------------------|-----------------------------------------------------------------|

6.1.1. For non-emergency personnel

| | |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment. Protective goggles. Protective clothing. Gloves. |
| Emergency procedures | : Avoid contact with skin, eyes and clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Evacuate unnecessary personnel. Only qualified personnel equipped with suitable protective equipment may intervene. |

6.1.2. For emergency responders

| | |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Avoid breathing dust/fume/gas/mist/vapours/spray. Do not attempt to take action without suitable protective equipment. Protective gloves. Self-contained breathing apparatus. Wear fire/flame resistant/retardant clothing. |
| Emergency procedures | : Cover spill with non combustible material, e.g.: sand/earth. Do not touch spilled material. Evacuate unnecessary personnel. Stop leak if safe to do so. |

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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment | : Absorb spilled material with sand or earth. Collect spillage. Consult an expert on waste disposal or treatment. Stop leak, if possible without risk. |
| Methods for cleaning up | : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Clean contaminated surfaces with an excess of water. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : May be corrosive to metals. |
| Precautions for safe handling | : Avoid breathing dust/fume/gas/mist/vapour/spray. Avoid contact with skin, eyes and clothing. Comply with the legal requirements. Keep only in original container. |
| Hygiene measures | : Observe normal hygiene standards. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical measures | : Comply with applicable regulations. |
| Storage conditions | : Keep only in original container. Store in a dry place. Store in a closed container. Store in corrosive resistant container with a resistant inner liner. |
| Incompatible products | : Oxidizing agent. Strong acids. |
| Incompatible materials | : May be corrosive to metals. Metals. |
| Storage area | : Keep only in the original container. Keep container tightly closed. |
| Special rules on packaging | : Keep only in original container. |
| Packaging materials | : Store in corrosive resistant container with a resistant inner liner. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

QUATERNARY AMMONIUM COMPOUNDS (PROPRIETARY)

No additional information available

NONOXYNOL (127087-87-0)

No additional information available

TETRASODIUM EDTA (64-02-8)

No additional information available

TRISODIUM NITRILOTRIACETATE (5064-31-3)

No additional information available

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C10-C16 ALKYL DIMETHYLAMINE OXIDE (70592-80-2)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Protective clothing

Respiratory protection:

Respiratory protection not required in normal conditions

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------------------------------|----------------------------|
| Physical state | : Liquid |
| Appearance | : Liquid. |
| Color | : red |
| Odor | : characteristic Odourless |
| Odor threshold | : No data available |
| pH | : 12.9 |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |

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| | |
|----------------------|---------------------|
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

May be corrosive to metals.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Acids. May be corrosive to metals. Oxidizing agent.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|-------------------------|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| | |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 797 HD PART 2 | |
| ATE US (oral) | 1362.75 mg/kg body weight |
| QUATERNARY AMMONIUM COMPOUNDS (PROPRIETARY) | |
| ATE US (oral) | 500 mg/kg body weight |
| NONOXYNOL (127087-87-0) | |
| ATE US (oral) | 500 mg/kg body weight |
| TETRASODIUM EDTA (64-02-8) | |
| LD50 oral rat | > 2000 mg/kg (Rat, Oral) |
| TRISODIUM NITRILOTRIACETATE (5064-31-3) | |
| LD50 oral rat | 1740 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s)) |

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| TRISODIUM NITRILOTRIACETATE (5064-31-3) | |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| LD50 dermal rabbit | > 2000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal) |
| LC50 inhalation rat (mg/l) | > 5 mg/l (4 h, Rat, Male, Experimental value, Inhalation (aerosol), 14 day(s)) |
| ATE US (oral) | 1740 mg/kg body weight |

| | |
|-----------------------------------|------------------------------------------|
| Skin corrosion/irritation | : Causes severe skin burns. pH: 12.9 |
| Serious eye damage/irritation | : Causes serious eye damage. pH: 12.9 |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Suspected of causing cancer. |

| TRISODIUM NITRILOTRIACETATE (5064-31-3) | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOAEL (chronic,oral,animal/male,2 years) | 100 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information) |

| | |
|------------------------|----------------------------------------------------------------------|
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : May cause damage to organs through prolonged or repeated exposure. |

| TRISODIUM NITRILOTRIACETATE (5064-31-3) | |
|-----------------------------------------|-----------------------------------------------------------------|
| NOAEL (oral,rat,90 days) | 9 mg/kg body weight Animal: rat, Animal sex: male |
| NOAEL (dermal,rat/rabbit,90 days) | 50 mg/kg body weight Animal: rabbit |
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |

| | |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : No data available |
| Symptoms/effects after inhalation | : Coughing. Dizziness. |
| Symptoms/effects after skin contact | : Blisters. Burns. Causes skin irritation. |
| Symptoms/effects after eye contact | : Causes serious eye damage. |
| Symptoms/effects after ingestion | : Abdominal pain, nausea. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Ingestion may cause nausea and vomiting. |

SECTION 12: Ecological information

12.1. Toxicity

| TETRASODIUM EDTA (64-02-8) | |
|----------------------------|--------------------------------------------------------------------|
| LC50 - Fish [1] | 121 mg/l (96 h, Lepomis macrochirus, Literature study, Soft water) |
| EC50 - Daphnia [1] | 625 mg/l (24 h, Daphnia magna, Literature study) |

| TRISODIUM NITRILOTRIACETATE (5064-31-3) | |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1] | 114 mg/l (APHA, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value) |
| EC50 - Daphnia [1] | 98 mg/l (Other, 96 h, Gammarus sp., Flow-through system, Fresh water, Experimental value) |
| ErC50 algae | > 91.5 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP) |
| NOEC (chronic) | 9.3 mg/l Test organisms (species): other aquatic arthropod:Gammarus pseudolimnaeus Duration: '147 d' |

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TRISODIUM NITRILOTRIACETATE (5064-31-3)

| | |
|-------------------|---------------------------------------------------------------------------|
| NOEC chronic fish | > 54 mg/l Test organisms (species): Pimephales promelas Duration: '224 d' |
|-------------------|---------------------------------------------------------------------------|

12.2. Persistence and degradability

NONOXYNOL (127087-87-0)

| | |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |
|-------------------------------|-------------------------------------|

TETRASODIUM EDTA (64-02-8)

| | |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |
|-------------------------------|-------------------------------------|

| | |
|---------------------------------|---------------------------------------|
| Biochemical oxygen demand (BOD) | < 0.002 g O ₂ /g substance |
|---------------------------------|---------------------------------------|

| | |
|------------------------------|-------------------------------------------|
| Chemical oxygen demand (COD) | 0.54 – 0.58 g O ₂ /g substance |
|------------------------------|-------------------------------------------|

TRISODIUM NITRILOTRIACETATE (5064-31-3)

| | |
|-------------------------------|------------------------------------------------------------|
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
|-------------------------------|------------------------------------------------------------|

| | |
|------------------------------|-------------------------------------|
| Chemical oxygen demand (COD) | 0.625 g O ₂ /g substance |
|------------------------------|-------------------------------------|

12.3. Bioaccumulative potential

NONOXYNOL (127087-87-0)

| | |
|----------------|----------------------------|
| BCF - Fish [1] | 15 – 53 (Calculated value) |
|----------------|----------------------------|

| | |
|---------------------------|------------------------------------------------|
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |
|---------------------------|------------------------------------------------|

TETRASODIUM EDTA (64-02-8)

| | |
|-------------------------------------------------|------|
| Partition coefficient n-octanol/water (Log Pow) | -2.6 |
|-------------------------------------------------|------|

| | |
|---------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |
|---------------------------|----------------------|

TRISODIUM NITRILOTRIACETATE (5064-31-3)

| | |
|----------------|------------------------------------------------------------------|
| BCF - Fish [1] | 1 – 3 (96 h, Brachydanio rerio, Fresh water, Experimental value) |
|----------------|------------------------------------------------------------------|

| | |
|-------------------------------------------------|--------------------|
| Partition coefficient n-octanol/water (Log Pow) | -2.62 (Calculated) |
|-------------------------------------------------|--------------------|

| | |
|---------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |
|---------------------------|----------------------|

12.4. Mobility in soil

NONOXYNOL (127087-87-0)

| | |
|----------------|-------------------------------------------------------|
| Ecology - soil | No (test)data on mobility of the substance available. |
|----------------|-------------------------------------------------------|

TRISODIUM NITRILOTRIACETATE (5064-31-3)

| | |
|----------------|-------------------------------------------------------|
| Ecology - soil | No (test)data on mobility of the substance available. |
|----------------|-------------------------------------------------------|

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Disposal must be done according to official regulations.

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SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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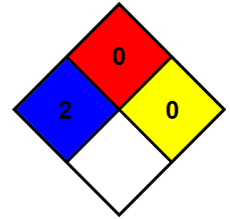
| Full text of H-phrases | |
|------------------------|---------------------------------------------------|
| H290 | May be corrosive to metals |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H412 | Harmful to aquatic life with long lasting effects |

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- NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

- Health : 2 Moderate Hazard - Temporary or minor injury may occur
- Flammability : 0 Minimal Hazard - Materials that will not burn
- Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
- Personal protection : X - Special handling directions

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.