

1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifiers

Product name: **COB-SCALE WC. Cleaning and scale remover from WC toilets**

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

Acidic cleaner for toilets

1.3. Details of the supplier of the safety data sheet

Company: "COBART CHEMICALS", K. BARBOUNAKIS SA

Address: 27 Samou Str., Ilioupoli, Athens – Greece , PC 16342

Telephone: +30 2109954953

Fax: +30 2109962356

email: cobart@otenet.gr

1.4. Emergency telephone number

+30 2109954953 (08.00am – 16.00pm)

2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according 1272/2008/EC (CLP Regulation) & regulation 1907/2006/EC (REACH Regulation) and its ammendments: The product is classified as hazardous: Skin Corr. Cat. 1B, Metal Corr.Cat. 1

2.2. Label elements



Pictogram:

Signal word: **Danger**

Hazard statement: **H314, H290**

Precautionary statement: **P102, P280, P301+P330+P331, P305+P351+P338, P303+P361+P353**

Other information: **It contains nitric acid**

2.3. Other hazards

None

3: COMPOSITION/INFORMATION ON INGREDIENTS

The liquid fertilizer "Amino 16" is the result of the acidic hydrolysis of a protein rich plant origin material.

3.1. Substances

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3.2. Mixtures

Name	CAS number/ Einecs Number/ Index number	REACH number	% w/w	Labeling according Regulation (EC) No 1272/2008 [CLP]
Nitric acid	68411-30-3 270-115-0 007-004-00-1	01-2119487297- 23-0054	1-10%	Metal Corr. 1 (H290) Skin Corr. 1 (H314)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3 500-234-8 -	01-2119488639- 16	1-10%	Eye Dam. 1 (H318) Skin Irrit. 2 (H315)
Fatty alcohol alcoxylate	68155-07-7 931-329-6 -	02-2119552554- 37	1-10%	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)

4: FIRST AID MEASURES

4.1. Description of first aid measures

- | | |
|-------------------------|--|
| In case of eye contact | Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician immediately. |
| In case of skin contact | Wash off with soap and plenty of water. Consult a physician immediately. |
| If inhaled | If a person remains in an area contaminated with vapors or fumes of the preparation (in case of fire), move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| If swallowed | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician immediately. Never give anything by mouth to an unconscious person. |

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

It may cause severe damage in contact with eyes

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

No data available

5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

The preparation is not explosive or flammable. At high temperatures during a fire, may form oxides of carbon and nitrogen. Exposure to smoke in these gases can cause significant health problems.

5.3. Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary. The equipment for firefighting must meet general requirements of Directive 98/37/EC and 94/9/EC. Firefighter's uniforms and personal protective equipment must be approved.

6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

The preparation is not flammable. However at high temperatures (e.g. in case of fire) hazardous vapors formed as described in Section 5. For this reason it is recommended to take personal precautions such as fire detection systems in warehouses, self-contained breathing apparatus for personal protection from the gases of combustion, marking points of water supply for the possibility of eye and / or skin wash.

In case of product release use the appropriate personal protection equipment as it is referred in section 8

6.2. Environmental precautions

This product is not hazardous to the environment and release shall not constitute a hazard to plants, animals and humans. In case of product leakage a dilution with water it is recommended.

6.3. Methods and material for containment and cleaning up

There is no need to provide appropriate advice on how to contain a spill, or to clean up. In case of the product spill on plants undiluted, a dilution with water is recommended.

6.4. Reference to other sections

For disposal see section 13.

7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Do not eat, drink and smoke in work areas. Wash hands after use. Remove protective equipment and working clothing before entering in eating areas. Do not transfer the product to containers without appropriate labeling.

7.2. Conditions for safe storage, including any incompatibilities

Store the product in cool place. Keep container tightly closed in a dry and well-ventilated place away from children. Keep the product away from food and feed.

7.3. Specific end use(s)

Use the product as it is. Do not combine the product with other products or chemicals. When use this product wear the appropriate equipment for personal protection.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wash hands and face before breaks and immediately after handling the product.

8.2. Exposure controls

a) Safety handling and use of product as it is

Eye/face protection	Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate standards such as EN 166 (Code 3: against drops and splashes of liquids)
Skin protection	Handle with butyl rubber, PVC, PTFE gloves (EN 374)
Body protection	Use boots and uniform suitable for the product
Respiratory protection	The product contains hazardous chemicals on health and safety. Respiratory personal protection equipment should be used in case of fumes from a fire. The equipment must meet the requirements of EN 149

and the filter requirements of EN 143: FF P3, FMP3
If swallowed Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Never give anything by mouth to an unconscious person.

b) Safety handling and use of product after dilution (2g per liter)

Avoid contact with spoiled drops during dilution. Dilute the product in water (add firstly the water and then the product and not the opposite). Use only compatible materials for the dilution (see paragraph 10). During the dilution the temperature of diluted product increases rapidly. Let it a couple of minutes until the diluted product be at room temperature

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Form:	liquid
Colour:	Clear
Odour:	Characteristic (Acidic)
Odour Threshold:	no data available
pH	<1,5
Melting point / freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	not applicable
Evaporation rate	no data available
Flammability	not flammable
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	100% soluble
Partition coefficient: n-octanol/water	no data available
Autoignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2. Other information

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10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Exothermic reaction with water.

The product could react violence with strong bases, chlorine products, metals, reductive materials

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong bases, alkali, caustic products

Metals powder

Hydrogen sulfides

Chlorates and chlorine products

Alcohols

10.6. Hazardous decomposition products

No data available

11: TOXICOLOGICAL INFORMATION

Acute toxicity	No data available
Irritation	No data available
Corrosivity	Corrosive product
Sensitisation	No data available
Repeated dose toxicity	No data available
Carcinogenicity	No data available
Mutagenicity	No data available
Toxicity for reproduction	No data available

11.1. Information on toxicological effects

No data available

12: ECOLOGICAL INFORMATION

12.1. Toxicity

No data available

12.2. Persistence and degradability

The product is degradable.

12.3. Bioaccumulative potential

The product has not any bioaccumulative potential

12.4. Mobility in soil

The product is very soluble in water.

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

The product may has harmful effects on the environment due to its low pH (<1,5). It does not destroy the ozone layer and it does not contribute to the creation of smog.

13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The waste packaging management should be in compliance with national legislation. The product may be harmful to the environment due to its low pH (<1,5)

14: TRANSPORT INFORMATION

This product is not classified as hazardous and therefore no special precautions for handling is needed.

14.1. UN number

ADR/RID: - IMDG: 8 IATA: -

14.2. UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3. Transport hazard class (es)

ADR/RID: III IMDG: - IATA: -

14.4. Packing group

ADR/RID: - IMDG: - IATA: -

14.5. Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6. Special precautions for user

No data available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

15.2. Chemical safety assessment

No data available

16: OTHER INFORMATION

•Text of H-code(s) and P-phrases mentioned in Section 3

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated

clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P305+P351+P338

Cobart Chemicals declares that the above information is believed to be correct and in accordance with current legislation (according to MSDS version date or revised date) but does not purport to be all inclusive and shall be use only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions