

FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL:	1-800-654-6911 (OUTSIDE USA: 1-423-780-2970)
FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC®:	1-800-424-9300 (OUTSIDE USA: 1-703-527-3887)
FOR ALL SDS QUESTIONS & REQUESTS, CALL:	1-800-511-MSDS (OUTSIDE USA: 1-423-780-2347)

PRODUCT NAME: **ROBARB POOL SPECIALTIES METAL MASTER**

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Supplier</b> Robarb 1400 Bluegrass Lakes Parkway , Alpharetta, GA, 30004 USA	REVISION DATE: 05/27/2015 SUPERCEDES: 06/12/2009
Telephone: +17705215999 Telefax: +17705215959 Web: www.poolspacare.com	MSDS Number: 000000024457 SYNONYMS: CHEMICAL FAMILY: None DESCRIPTION / USE: None established FORMULA: None established

**Manufacturer**  
Advantis Technologies  
1200 Bluegrass Lakes Parkway  
Alpharetta, GA 30004  
United States of America

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Acute toxicity (Oral) : Category 4  
Skin irritation : Category 2  
Eye irritation : Category 2A

### GHS Label element

Hazard pictograms :



Signal word	:	Warning
Hazard statements	:	H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary statements	:	<p><b>Prevention:</b>  P264 Wash skin thoroughly after handling.  P270 Do not eat, drink or smoke when using this product.  P280 Wear eye protection/ face protection.  P280 Wear protective gloves.</p> <p><b>Response:</b>  P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.  P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P332 + P313 If skin irritation occurs: Get medical advice/ attention.  P337 + P313 If eye irritation persists: Get medical advice/ attention.  P362 Take off contaminated clothing and wash before reuse.</p> <p><b>Storage:</b>  P402 + P404 Store in a dry place. Store in a closed container.  P410 + P403 Protect from sunlight. Store in a well-ventilated place.</p> <p><b>Disposal:</b>  P501 Dispose of contents/ container to an approved waste disposal plant.</p>

**Other hazards**

None known.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
Tetrasodium EDTA	64-02-8	12 - 22
Sodium hydroxide	1310-73-2	0 - 5

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**SECTION 4. FIRST AID MEASURES**

Inhalation:	IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops. If not breathing, give artificial respiration. Call for medical assistance.
Skin Contact:	IF ON SKIN: Immediately flush skin with plenty of water for 15 minutes. If clothing comes in contact with the product, the clothing should be removed immediately and laundered before re-use. Seek medical attention.
Eye Contact:	IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention immediately.
Ingestion:	IF SWALLOWED: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

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## SECTION 5. FIREFIGHTING MEASURES

Flammability Summary (OSHA): The product is not flammable., Not combustible., The substance or mixture is not classified as pyrophoric., Not explosive

### Flammable Properties

Fire / Explosion Hazards: 0 - Will not burn Contact with reactive metals, e.g., aluminum may result in the generation of flammable hydrogen gas.

Extinguishing Media: Use dry chemical, water fog, carbon dioxide (CO<sub>2</sub>), or foam.

Fire Fighting Instructions: Use water spray to cool unopened containers. In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations: Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.

### Spill Mitigation Procedures

Air Release: Keep people away from and upwind of spill/leak.

Water Release: If the product contaminates rivers and lakes or drains inform respective authorities.completely miscible

Land Release: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).Do not contaminate ponds, waterways or ditches with chemical or used container.

Additional Spill Information : Prevent further leakage or spillage if safe to do so. Use personal protective equipment as required. Evacuate personnel to safe areas.

## SECTION 7. HANDLING AND STORAGE

Handling: Do not take internally. Avoid contact with skin, eyes and clothing. If in eyes or on skin, rinse well with water. Avoid breathing vapours, mist or gas.

Storage: Store in a cool, dry and well ventilated place. Isolate from incompatible materials. Do not freeze.

Incompatible Materials for Storage: Refer to Section 10, "Incompatible Materials."

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

### Protective Equipment for Routine Use of Product

Respiratory Protection : Wear a NIOSH approved respirator if any exposure occurs.

Skin Protection : Avoid contact with skin. Impervious gloves Boots Apron

Eye Protection: Use chemical goggles and a faceshield.

Protective Clothing Type: impervious clothing

General Protective Measures: Ensure that eyewash stations and safety showers are close to the workstation location.

### Components with workplace control parameters

Components (CAS-No.)	Value	Control parameters	Basis (Update)
Sodium hydroxide (1310-73-2)		2 mg/m <sup>3</sup>	ACGIH (02 2014)

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid

Form: No data.

Color: No data.

Odor: No data.

Molecular Weight: None established

pH : 11.0 - 12.0  
( )

Boiling Point: 212 °F (100 °C)

Melting point/freezing point: No data

Bulk Density: ( )  
no data available

Vapor Pressure: no data available

Vapor Density: no data available

Viscosity:	no data available
Solubility in Water:	completely miscible
Partition coefficient n-octanol/water:	No data.
Evaporation Rate:	No data
Oxidizing:	None established
Volatiles, % by vol.:	no data available
VOC Content	This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489). This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.
HAP Content	Not applicable

## SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity Summary:	Stable under normal conditions.
Conditions to Avoid:	Heat
Chemical Incompatibility:	Strong oxidizing agents, Strong acids, Aluminium, Zinc
Hazardous Decomposition Products:	Carbon oxides, Ammonia, Nitrogen oxides (NOx)
Decomposition Temperature:	No data

## SECTION 11. TOXICOLOGICAL INFORMATION

### Component Animal Toxicology

#### Oral LD50 value:

Tetrasodium EDTA	LD50 1,700 - 2,000 mg/kg	Rat
Sodium hydroxide	LD50 Believed to be 300 - 500 mg/kg	Rat

### Component Animal Toxicology

#### Dermal LD50 value:

Tetrasodium EDTA	No data
Sodium hydroxide	no data available

### Component Animal Toxicology

#### Inhalation LC50 value:

Tetrasodium EDTA	Rats exposed for 8 hours to an unknown concentration of the test substance resulted in no deaths and no clinical signs of toxicity observed in the animals.
Sodium hydroxide	No data

### Product Animal Toxicity

<u>Oral LD50 value:</u>	Believed to be 1,700 mg/kg
<u>Dermal LD50 value:</u>	No data.
<u>Inhalation LC50 value:</u>	No data.

Skin Irritation: Moderate skin irritant  
 Eye Irritation: Moderate eye irritant  
 Skin Sensitization: Not believed to be sensitising to skin.

Tetrasodium EDTA Negative skin sensitizer, guinea pig - Magnusson-Kligman method.

Subchronic / Chronic Toxicity: There are no known or reported effects from chronic exposure. There are no known or reported effects from chronic exposure.

Tetrasodium EDTA This product has not been tested. However, chronic (repeated) exposures to a similarly structured product revealed no substance related toxic effects.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.

Tetrasodium EDTA EDTA and its sodium salts have been shown to cause birth defects in laboratory animals only at relatively high oral dose levels that were maternally toxic. These effects are likely associated with zinc deficiency due to metal chelation.

Mutagenicity: Not known or reported to be mutagenic.

Tetrasodium EDTA This product has been tested for mutagenicity. Tests revealed both positive and negative results. Based on the weight of evidence, we judge this product NOT to be a mutagenic hazard.

Sodium hydroxide This chemical has been shown to be non-mutagenic based on a battery of assays.

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

Tetrasodium EDTA This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA. Chemicals of similar structure have been shown not to cause cancer in laboratory animals.

Sodium hydroxide This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

## SECTION 12. ECOLOGICAL INFORMATION

Overview: There is no data available for this product., This product is expected to have low toxicity to fish and other aquatic organisms.

### Ecological Toxicity Values for: Tetrasodium EDTA

Bluegill - (nominal, static). 96 h LC50 = 486 mg/l  
 Daphnia magna, - (measured) 24 h EC50= 610 mg/l

Daphnia magna, - (nominal, static). 24 h EC50= 1,033 mg/l  
 Green algae (Scenedesmus quadricauda), - (nominal, static). 7 day toxicity threshold (population growth) 11 mg/l

Ecological Toxicity Values for: Sodium hydroxide

Bluegill Mosquito fish - 96 h LC50 = 125 mg/l  
 - 48 h LC50 = 99 mg/l

## SECTION 13. DISPOSAL CONSIDERATIONS

**CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.**

Waste Disposal Summary : If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D. As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations.

## SECTION 14. TRANSPORT INFORMATION

**DOT**

Not dangerous goods

**TDG**

UN number : 3267  
 Description of the goods : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
 (Tetrasodium ethylenediaminetetraacetate, Sodium hydroxide)  
 Class : 8  
 Packing group : II  
 Labels : 8

**IATA**

UN number : 3267  
 Description of the goods : Corrosive liquid, basic, organic, n.o.s.  
 (Tetrasodium ethylenediaminetetraacetate, Sodium hydroxide)  
 Class : 8  
 Packing group : II

Labels : 8  
 Packing instruction (cargo aircraft) : 855  
 Packing instruction (passenger aircraft) : 851  
 Packing instruction (passenger aircraft) : Y840

**IMDG-CODE**

UN number : 3267  
 Description of the goods : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
 (Tetrasodium ethylenediaminetetraacetate, Sodium hydroxide)  
 Class : 8  
 Packing group : II  
 Labels : 8  
 EmS Number 1 : F-A  
 EmS Number 2 : S-B

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## SECTION 15. REGULATORY INFORMATION

**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	

**SARA 302**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).



This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

#### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Sodium hydroxide	1310-73-2	0.9215 %
1,3-dichloropropene	542-75-6	0.0007 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Sodium hydroxide	1310-73-2	0.9215 %
1,3-dichloropropene	542-75-6	0.0007 %

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

#### US State Regulations

##### Massachusetts Right To Know

Trisodium nitrilotriacetate	5064-31-3
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##### Pennsylvania Right To Know

Tetrasodium ethylenediaminetetraacetate	64-02-8
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##### New Jersey Right To Know

Tetrasodium ethylenediaminetetraacetate	64-02-8
Dichloromethane	75-09-2
1,3-dichloropropene	542-75-6

##### California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

Dichloromethane	75-09-2
1,3-dichloropropene	542-75-6

#### The components of this product are reported in the following inventories:

TSCA : The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

#### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

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## SECTION 16. OTHER INFORMATION

SECTIONS REVISED: First formulated version in SAP.  
Major References : Available upon request.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT. .