

## Turbo AP

### 1 PRODUCT AND COMPANY IDENTIFICATION

<b>Vendor Details:</b>	Merrick Wheelhouse Industrial Solutions 1130 Springtown Road Suite A Alpha, NJ 08865	<b>Supplier Details:</b>	Merrick Wheelhouse Industrial Solutions 1130 Springtown Road Suite A Alpha, NJ 08865
<b>Phone:</b>	800-567-1443	<b>Phone:</b>	800-547-1443
<b>Emergency:</b>	Infotrac 800-535-5053	<b>Emergency:</b>	Infotrac 800-535-5053

### 2 HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

##### GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Skin corrosion/irritation, 2  
Health, Serious Eye Damage/Eye Irritation, 2 A

#### GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



#### GHS Hazard Statements:

H315 - Causes skin irritation  
H319 - Causes serious eye irritation

#### GHS Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash ... thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER/doctor/...  
P321 - Specific treatment (see ... on this label).  
P332+313 - If skin irritation occurs: Get medical advice/ attention.  
P362 - Take off contaminated clothing.  
P501 - Dispose of contents/container to ...

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	Chemical Ingredients: % Chemical Name:
77-92-9	>20% 1,2,3-Propanetricarboxylic acid, 2-hydroxy-
0	Phosphate Ester Descaling Compound
0	Descaling Accelerator
0	Corrosion Inhibitors and Surfactants

<b>4</b>	<b>FIRST AID MEASURES</b>
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**Inhalation:** If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. Give oxygen or artificial respiration if needed.

**Skin Contact:** Promptly flush skin with water until all chemical is removed. Remove contaminated clothing and wash before reuse. Consult a physician if irritation persists.

**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get medical attention if irritation occurs and persists.

**Ingestion:** Do NOT induce vomiting. Drink large quantities of milk, if available.

<b>5</b>	<b>FIRE FIGHTING MEASURES</b>
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**Flash Point:** N/A

**Suitable extinguishing media** Water spray, foam, CO2

**Unsuitable extinguishing media**

**Specific hazards** Wear self contained breathing apparatus and other protective clothing. This material is non-flammable. If exposed to fire from another the chemical source, use extinguishing media suitable for that source.

**General fire hazards** If possible, fire fighters should contain water contaminated by this material from being discharged to any waterway, sewer or drain to prevent environmental contamination.

<b>6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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This material is biodegradable. Wear personal protective equipment. Neutralize with copious amounts of water. Slowly add soda ash mixture to the residue.  
This mixture should be 10 pounds of soda ash to 5 gallons of water.

<b>7</b>	<b>HANDLING AND STORAGE</b>
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**Handling Precautions:** Wear appropriate personal protective equipment. Avoid contact with eyes, skin, or clothing. Ensure adequate ventilation.

**Storage Requirements:** For safe storage, store between -15°C and 82°C. Store in original tightly sealed container. Store in well ventilated area. Keep out of reach of children.

<b>8</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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**Personal Protective Equipment:** 1,2,3-Propanetricarboxylic acid, 2-hydroxy- (77-92-9) []

Personal protective equipment  
Eye/face protection: Safety glasses with side-shields.  
Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.  
Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.  
Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).  
Control of environmental exposure: Do not let product enter drains.

1,2,3-Propanetricarboxylic acid, 2-hydroxy- (77-92-9) [] : no data available

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance:</b>	Clear	<b>Solubility:</b>	Complete
<b>Spec Grav./Density:</b>	1.27	<b>Freezing/Melting Pt.:</b>	Not determined
<b>Boiling Point:</b>	100°C	<b>Vapor Density:</b>	1.27
<b>Vapor Pressure:</b>	20 Torr		

pH: <2  
Evap. Rate: 2.0

## 10 STABILITY AND REACTIVITY

**Chemical Stability:** Product is stable under normal conditions.  
**Materials to Avoid:** Do not mix with alkaline products.  
**Hazardous Decomposition:** Not known.  
**Hazardous Polymerization:** None

## 11 TOXICOLOGICAL INFORMATION

1,2,3-Propanetricarboxylic acid, 2-hydroxy- (77-92-9) []

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 5,400 mg/kg (OECD Test Guideline 401)

Inhalation: no data available

LD50 Dermal - rat - > 2,000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: Irritating to eyes. (OECD Test Guideline 405)

Respiratory or skin sensitisation: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: GE7350000

Vomiting, Diarrhoea, Damage to tooth enamel., Dermatitis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12 ECOLOGICAL INFORMATION

1,2,3-Propanetricarboxylic acid, 2-hydroxy- (77-92-9) []

Information on ecological effects

Toxicity:

Toxicity to fish mortality LC50 - *Leuciscus idus melanotus* - 440 mg/l - 48 h.  
(OECD Test Guideline 203)

Toxicity to daphnia and static test - *Daphnia magna* (Water flea) - 1,535 mg/l - 24 h.  
other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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<b>14</b>	<b>TRANSPORT INFORMATION</b>
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Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping. This product ships non-hazardous.

<b>15</b>	<b>REGULATORY INFORMATION</b>
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Component (CAS#) [%] - CODES

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1,2,3-Propanetricarboxylic acid, 2-hydroxy- (77-92-9) [n/a%] TSCA

Phosphate Ester Descaling Compound (0) [n/a%] PROP65

Descaling Accelerator (0) [n/a%] PROP65

Proprietary amine compound (0) [n/a%] PROP65

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory CODE Descriptions

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TSCA = Toxic Substances Control Act  
PROP65 = CA Prop 65

<b>16</b>	<b>OTHER INFORMATION</b>
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