

RAMUC[®]**AQUALUSTER 3011 BRILLIANT WHITE 1 GAL.**

Version 1.

Print Date 01/30/2007

REVISION DATE: 01/16/2007

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : AQUALUSTER 3011 BRILLIANT WHITE 1 GAL.
 Product code : 9206301101K

COMPANY : Republic Powdered Metals
 2628 Pearl Road
 Medina, OH 44256

Telephone : (800) 551-7081
 Emergency Phone: : 1-800-551-7081
 After Hours: Chemtrec 1-800-424-9300

Product use : Coating

SECTION 2 - HAZARDS IDENTIFICATION**Emergency Overview**

White. Liquid. No serious effects anticipated under normal conditions of use. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : No serious effects anticipated under normal conditions of use.
 Eyes : Direct contact may cause mild irritation.
 Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.
 Skin : May cause mild irritation.

Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Fillers are encapsulated and not expected to be released from product under normal conditions of use.

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Water	7732-18-5	40.0 - 70.0
Acrylic Latex	NJTSRN# 51721300-5389P	15.0 - 40.0
Titanium dioxide	13463-67-7	15.0 - 40.0
Ethylene glycol	107-21-1	1.0 - 5.0
Diacetone alcohol	123-42-2	1.0 - 5.0
2-Butoxyethanol (Glycol ether)	111-76-2	1.0 - 5.0
Amorphous Silica	112926-00-8	1.0 - 5.0
Mineral oil	64741-89-5	<0.1

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SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

- Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- Eye contact : Flush with water for 15 minutes. If irritation persists, get medical attention.
- Skin contact : Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Get medical attention. Do not induce vomiting.
- Notes to physician : Not applicable.

SECTION 5 - FIRE FIGHTING MEASURES

- Flash point : Not available.
- Method : Not applicable.
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Extinguishing media : This product is not expected to burn under normal conditions of use.
- Hazardous combustion products : Carbon monoxide and carbon dioxide can form. Smoke, fumes.
- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
- Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Transfer to appropriate container for disposal. Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal. Use appropriate protective equipment. Avoid contact with material.

SECTION 7 - HANDLING AND STORAGE

Handle in compliance with common hygienic practices. Clean hands thoroughly after handling. Keep from freezing. Do not use in confined or poorly ventilated areas. Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated warehouse location above freezing.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**Personal protection equipment**

- Respiratory protection : Not required under normal conditions of use. Wear appropriate, NIOSH/MSHA approved respirator with combination particulate filter and vapor/gas removing cartridge when the ventilation is not adequate or if it is necessary to abrade or grind surfaces coated with this product.
- Hand protection : Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Skin and body protection : Prevent contact with shoes and clothing. Use rubber apron and overshoes.
- Protective measures : Other equipment not normally required. Use professional judgment in the selection, care, and use.
- Engineering measures : Not required under normal conditions of use. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Titanium dioxide	13463-67-7	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	10 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3	Total dust. Total dust. Respirable fraction.
Diacetone alcohol	123-42-2	ACGIH TWA: OSHA PEL:	50 ppm 240 mg/m3	
2-Butoxyethanol (Glycol ether)	111-76-2	ACGIH TWA: OSHA PEL:	20 ppm 240 mg/m3	
Mineral oil	64741-89-5	ACGIH TWA: ACGIH STEL:	5 mg/m3 10 mg/m3	Mist. Mist.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Form : Liquid
- Color : White
- Odor : Slight Ammonia
- pH : 7.5
- Vapour pressure : Not available.

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Vapor density : Heavier than air
 Melting point/range : Not available.
 Freezing point : Not available.
 Boiling point/range : Not available.
 Water solubility : Soluble
 Specific Gravity : 10.4
 % Volatile Weight : 52 %

SECTION 10 - REACTIVITY / STABILITY

Substances to avoid : Strong acids.Strong bases.
 Stability : Stable
 Hazardous polymerization : Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Ethylene glycol, CAS-No.: 107-21-1
 Acute oral toxicity (LD-50 oral) 6,140 mg/kg (Rat) 14,600 mg/kg (Mouse) 8,200 mg/kg (Guinea pig) 8,810 mg/kg (Dog)

Diacetone alcohol, CAS-No.: 123-42-2
 Acute oral toxicity (LD-50 oral) 4,000 mg/kg (Rat)

2-Butoxyethanol (Glycol ether), CAS-No.: 111-76-2
 Acute oral toxicity (LD-50 oral) 1,200 mg/kg (Mouse) 320 mg/kg (Rabbit) 1,200 mg/kg (Guinea pig) 1,480 mg/kg (Rat)
 Acute dermal toxicity (LD-50 dermal) 400 mg/kg (Rabbit)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method : Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local regulations.

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:
 NOT REGULATED

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SECTION 15 - REGULATORY INFORMATION**North American Inventories:**

All components are listed or exempt from the TSCA inventory.
 This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations:

SARA 313 Components : Ethylene glycol 107-21-1
 2-Butoxyethanol (Glycol ether) 111-76-2

SARA 311/312 Hazards : Acute Health Hazard
 Fire Hazard

OSHA Hazardous Components :

Titanium dioxide 13463-67-7
 Ethylene glycol 107-21-1
 Diacetone alcohol 123-42-2
 2-Butoxyethanol (Glycol ether) 111-76-2
 Mineral oil 64741-89-5

OSHA Flammability : Not Regulated

Regulatory VOC (less water and exempt solvent) : 210 g/l

VOC Method 310 : 5 %

U.S. State Regulations:

MASS RTK Components : Titanium dioxide 13463-67-7
 Ethylene glycol 107-21-1
 Diacetone alcohol 123-42-2
 2-Butoxyethanol (Glycol ether) 111-76-2
 Mineral oil 64741-89-5

Penn RTK Components : Water 7732-18-5
 Acrylic Latex NJTSRN# 51721300-5389P
 Titanium dioxide 13463-67-7
 Ethylene glycol 107-21-1
 Diacetone alcohol 123-42-2
 2-Butoxyethanol (Glycol ether) 111-76-2
 Amorphous Silica 112926-00-8

NJ RTK Components : Water 7732-18-5
 Acrylic Latex NJTSRN# 51721300-5389P
 Titanium dioxide 13463-67-7
 Ethylene glycol 107-21-1
 Diacetone alcohol 123-42-2
 Amorphous Silica 112926-00-8

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Chemicals known to the State of California to cause cancer birth defects and/or other reproductive harm:
None known.

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	1
Flammability	1
Reactivity	0
PPE	

0 = Minimum
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Rich Mikol

Legend

ACGIH - American Conference of Governmental Hygienists
NTP - National Toxicology Program
DOT - Department of Transportation
DSL - Domestic Substance List
EPA - Environmental Protection Agency
HMIS - Hazardous Materials Information System
IARC - International Agency for Research on Cancer
MSHA - Mine Safety Health Administration
NDSL - Non-Domestic Substance List
NIOSH - National Institute for Occupational Safety and Health
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit
RCRA - Resource Conservation and Recovery Act
RTK - Right To Know
SARA - Superfund Amendments and Reauthorization Act
STEL - Short Term Exposure Limit
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
V - Volume
VOC - Volatile Organic Compound
WHMIS - Workplace Hazardous Materials Information System