

SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: WX-8746
Product Name: AquaChrom
Revision Date: Oct 17, 2016 **Date Printed:** Oct 17, 2016
Version: 1.0 **Supersedes Date:** N.A.
Manufacturer's Name: Ceramic Industrial Coatings
Address: 325 Highway 81 Osseo, MN, US, 55369
Emergency Phone: Chemtrec: 1.800.424.9300
Information Phone Number: 763-424-2044
Fax:
Product/Recommended Uses: Paint

SECTION 2) HAZARDS IDENTIFICATION

Classification:

Flammable Liquids - Category 4

Pictograms:

None

Signal Word:

Warning

Hazardous Statements - Physical:

Combustible Liquid

Precautionary Statements - General:

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Precautionary Statements - Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

Precautionary Statements - Response:

In case of fire: Use material listed in SDS section 5 to extinguish.

Precautionary Statements - Storage:

Store in a well-ventilated place.

Precautionary Statements - Disposal:

Dispose of contents/container to disposal recycling center.

Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Acute toxicity of 3.86% of the mixture is unknown

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0007732-18-5	WATER	71% - 100%
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	0.0% - 0.3%
0000112-34-5	DIETHYLENE GLYCOL MONOBUTYL ETHER	Trace

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation:

Take precautions to ensure your own safety. (e.g. wear appropriate protective equipment. Remove source of exposure or move person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

IF exposed or concerned: Get medical advice/attention.

Eliminate all ignition sources if safe to do so.

Skin Contact:

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Store contaminated clothing under water and wash before re-use.

IF exposed or concerned: Get medical advice/attention.

Eye Contact:

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

Ingestion:

Rinse mouth. If you feel unwell/concerned: Get medical advice/attention.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Use dry chemical, foam or carbon dioxide to extinguish fire.

Unsuitable Extinguishing Media:

Not available.

Fire-fighting Procedures:

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done so safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel.

Special Protective Actions:

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Care should always be exercised in dust/mist areas.

Use water to keep fire-exposed containers and the surroundings cool.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Emergency Procedure:

Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material.

Stay upwind; keep out of low areas.

Flammable/combustible material.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Use only non-sparking tools.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Spill: Remove with inert absorbent into a convenient waste disposal container.

Environmental Precautions:

Do not flush to sewer or waterways. Prevent release to the environment if possible.

SECTION 7) HANDLING AND STORAGE

General:

Wash hands after use.
 Do not get in eyes, on skin or on clothing.
 Do not breathe vapors or mists.
 Use good personal hygiene practices.
 Eating, drinking and smoking in work areas is prohibited.
 Remove contaminated clothing and protective equipment before entering eating areas.
 Eyewash stations and showers should be available in areas where this material is used and stored.

Ventilation Requirements:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Storage Room Requirements:

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize containers to empty them. Ground all structures, transfer containers and equipment to conform to the national electrical code. Use procedures that prevent static electrical sparks. Static electricity may accumulate and create a fire hazard.

SECTION 8) EXPOSURE CONTROLS/ PERSONAL PROTECTION

Eye Protection:

Dust-proof goggles or safety glasses with side shields or vented/splash proof goggles. Contact lenses may absorb irritants. Particles may adhere to lenses and cause corneal damage.

Skin Protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. To prevent skin contact wear protective clothing covering all exposed areas. Avoid unnecessary skin contact.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen
DIETHYLENE GLYCOL MONOBUTYL ETHER												
ETHYLENE GLYCOL MONOBUTYL ETHER	50	240			1		1	5	24			

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
DIETHYLENE GLYCOL MONOBUTYL ETHER	10(IFV)	0.1					Pulm edema; pneumonitis; dental erosion; malaise
ETHYLENE GLYCOL MONOBUTYL ETHER	20	97			A3	A3; BEI	Eye & URT irr

A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, BEI - Substances for which there is a Biological Exposure Index or Indices, irr - Irritation, pulm - Pulmonary, URT - Upper respiratory tract

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	8.36945 lb/gal
% Solids By Weight	4.15890%
% VOC	0.29949%

Appearance	Liquid
Odor Description	N.A.
Odor Threshold	N.A.
pH	8.0 - 9.0
Melting Point	N.A.
Freezing Point	N.A.
Low Boiling Point	N.A.
High Boiling Point	N.A.
Flash Point Symbol	N.A.
Flash Point	>140 °F
Evaporation Rate	Slower than n-butyl acetate
Flammability	N/A
Upper Explosion Level	N.A.
Lower Explosion Level	N.A.
Vapor Pressure	N.A.
Vapor Density	Heavier than air
Water Solubility	N.A.
Coefficient Water/Oil	N.A.
Auto Ignition Temp	N.A.
Decomposition Pt	N.A.
Viscosity	N.A.

SECTION 10) STABILITY AND REACTIVITY

Stability:

Stable under normal conditions and use.

Conditions to Avoid:

Avoid great heat, sparks, flame, build up of static electricity and contact with incompatible materials.

Avoid contact with water-reactive materials.

Avoid temperature above maximum storage temperature.

Hazardous Polymerization:

Will not occur.

Incompatible Materials:

Not available.

Hazardous Decomposition Products:

Halides, carbon dioxide, and carbon monoxide.

SECTION 11) TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation:

Prolonged exposure may cause drying of the skin.

Serious Eye Damage/Irritation:

No Data Available

Respiratory/Skin Sensitization:

No Data Available

Germ Cell Mutagenicity:

No Data Available

Carcinogenicity:

No Data Available

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

Acute Toxicity:

No Data Available

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

LC50 (female rat): 450 ppm (4-hour exposure) (2)

LC50 (male rat): 486 ppm (4-hour exposure) (2)

LD50 (oral, male weanling rat): 3000 mg/kg (1)

LD50 (oral, 6-week old male rat): 2400 mg/kg (1)

LD50 (oral, yearling male rat): 560 mg/kg (1)

LD50 (oral, female rat): 530 mg/kg; 2500 mg/kg (1) LD50 (oral, male mouse): 1230 mg/kg (1)

LD50 (oral, rabbit): 320 mg/kg (1)

LD50 (dermal, male rabbit): 406 mg/kg (cited as 0.45 mL/kg) (1)

Potential Health Effects - Miscellaneous

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and/or bone marrow.

Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

SECTION 12) ECOLOGICAL INFORMATION

Toxicity:

No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

No data available.

Other Adverse Effects:

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal:

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information:

Shipping Name: Paint - Not Regulated

IMDG Information:

Shipping Name: Paint - Not Regulated

IATA Information:

Shipping Name: Paint - Not Regulated

SECTION 15) REGULATORY INFORMATION

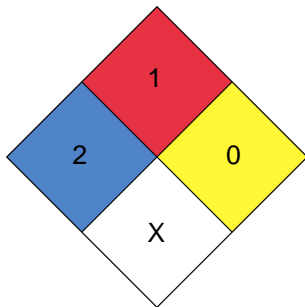
CAS	Chemical Name	% By Weight	Regulation List
0007732-18-5	WATER	71% - 100%	TSCA
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	0.0% - 0.3%	SARA313, CERCLA, SARA312, TSCA, CA_TAC_TOX, CA_TAC_Carcinogen, CA_TOX, MI_TOX, MN_TOX, ND_TOX, WI_NR438 - WI_NR438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS, MN_ChemHighConcern - Minnesota Chemicals of High Concern list, MN_ChemHighConcern_HP_V_2006_3_of_4_years - Minnesota - Chemicals High Concern - High Production Volume (2006 and 3 of 4 years)
0000112-34-5	DIETHYLENE GLYCOL MONOBUTYL ETHER	Trace	SARA313, CERCLA, SARA312, TSCA, CA_TAC_TOX, CA_TAC_Carcinogen, CA_TOX, MI_TOX, MN_TOX, WI_NR438 - WI_NR438 - AIR CONTAMINANT EMISSION INVENTORY REPORTING REQUIREMENTS

SECTION 16) OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

Glossary:

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ - Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA - Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

HMIS



Chronic :

Version 1.0:

Revision Date: Sep 20, 2016

First Edition.

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