

## MATERIAL SAFETY DATA SHEET

### Aquamine 403

#### PRODUCT INFORMATION

Product Name: Aquamine 403  
 General/Generic Name: AMINES  
 Product Use: TO TREAT CONDENSATE  
 TDG Hazard Classification: AMINES LIQUID, CORROSIVE N.O.S. (MORPHOLINE) CLASS 8,  
 UN 2735, PKG GRP III  
 WHMIS Classification: D,2B;E;B3

Vendor Name and Address: Alliance Water Group INC.  
 1 Yonge Street Suite# 1801 Toronto, ON M5E 1W7  
 416-306-2480  
 24 HOUR EMERGENCY PHONE NUMBER CANUTEC 613-996-6666

#### HAZARDOUS INGREDIENTS

Ingredient	%W/W	TLV	CAS.NO.	LD50	LC50
MORPHOLINE	10-40	2mg/m3	110-91-8	ND	ND

#### PHYSICAL DATA

Physical State: LIQUID  
 Appearance & Odour: COLOURLESS LIQUID, AMINE  
 ODOUR  
 Odour Threshold: ND  
 Specific Gravity: 1.0  
 Vapour Pressure: 28 MM  
 Vapour Density: 2g/LITRE  
 pH: 12.5  
 Evaporation Rate: SAME AS WATER  
 Initial Boiling Point: 95° C  
 Water Solubility: COMPLETE  
 Freezing Point: <0° C

#### PREVENTIVE MEASURES

Protective Equipment To Be Used: USUALLY NONE REQUIRED  
 Respiratory Protection: NONE REQUIRED  
 Ventilation: NORMAL AIR FLOW  
 Protective Gloves: NONE  
 Eye Protection: SAFETY GLASSES  
 Other Protective Measures: NONE

#### FIRST AID MEASURES

Skin Contact: WASH WITH SOAP AND WATER.  
 Eye Contact: RINSE EYES WITH PLENTY OF WATER, SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.  
 Inhalation: MOVE TO FRESH AIR.  
 Ingestion: DRINK PLENTY OF WATER OR MILK.

#### REACTIVITY DATA

Stability: STABLE  
 Incompatibility: NONE THAT CAUSE HAZARDS  
 Hazardous Decomposition Products: NONE  
 Hazardous Polymerization: NONE  
 Conditions to Avoid: NONE THAT CAUSE HAZARDS

#### TOXICOLOGICAL PROPERTIES

Threshold Limit Value: ND  
 Effects of Acute Exposure: DRY SKIN  
 Skin Contact: MAY CAUSE DRY SKIN  
 Skin Absorption: NONE  
 Eye Contact: TRANSIENT SEVERE IRRITATION  
 Inhalation: IRRITATION TO MUCOUS MEMBRANES  
 Ingestion: G.I. TRACT IRRITATION  
 Effect of Chronic Exposure: NONE  
 Irritancy of Product: IRRITANT TO SKIN AND EYES  
 Carcinogenicity: ND  
 Sensitization to Material: NONE  
 Reproduction Toxicity: ND  
 Teratogenicity: ND  
 Mutagenicity: ND

#### FIRE OR EXPLOSION HAZARD

Flash Point: > 200° F  
 Flammable Limits: ND  
 Auto-Ignition Temp: ND  
 Extinguishing Media: FOAM, WATER, CO2  
 Special Firefighting Procedure: CONTAINERS MAY EXPLODE IF HEATED  
 Explosion Data: NONE APPLICABLE  
 Hazardous Combustion Products: OXIDES OF CARBON AND NITROGEN

#### SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released or Spilled: CONTAIN SPILL, ABSORB ONTO INERT MATERIAL.

Waste Disposal Information: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, PROVINCIAL AND FEDERAL GOVERNMENT REGULATIONS.

#### PREPARATION INFORMATION

Date Prepared:	July 1, 1996	Date Revised:	July 14, 2016
Prepared By:	Lab Personnel	NA Not Applicable	ND No Data Available
Phone:	(416) 306-2480	NE None Established	NR Not Regulated

The information contained in this form is based on data from sources considered technically reliable and has been provided in good faith in accordance with the available material. It is provided as a service to the persons using the product but conditions of use and handling may involve other and additional consideration beyond our control. No warranty, expressed or implied, is made and we will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information in this form.