

Aquazol[®] 5/50/200/500

Safety Data Sheet

Section 1: Identification of substance and of company	
1.1 Product Identifier:	Poly(2-ethyl-2-oxazoline)
Trade Name:	Aquazol [®] 5, 50, 200, 500
CAS No.	25805-17-8
Registration No.	Not subject to registration
1.2 Uses of Substance	Binder material, steel quench bath, glue component, thickener, and coatings. No restrictions on use.
1.3 Supplier of SDS	INTERTEK FRANCE
	Dr. Christian Gimenez
	Etablissement Chalon Sur Saône
	12 Rue Alfred Kastler
	71530 FRAGNES
	Tel: 33(0) 385 99 1274
	Fax: 33 385 99 1288
1.4 Emergency Contact	24 hour emergency number CHEMTREC +1 703-527-3887
Country Specific contact #	

Section 2: Hazard Identification	
2.1 Classification	Not classified as a hazardous material under 1272/2008/EC
2.2 Label Elements	No pictograms, signal words, hazard statements, or pre-cautionary statements
2.3 Other Hazards	Not a PBT or vPvB as defined in Annex XIII

Section 3: Composition/Information on Ingredients			
3.1 Substance Name:	Poly (2-ethyl-2-oxazoline)		
Common Name/description:	Aquazol [®] Water soluble polymer		
Ingredient/Substance Name:	%	CAS #	
Poly (2-ethyl-2-oxazoline)	99.9	25805-17-8	Not subject to the requirements of 1907/2006
2-ethyl-2-oxazoline	<0.1	10431-98-8	Flammable liquid-H226/Irritant-H315, H319
3.2 Mixture:	Not applicable		

Section 4: First Aid Measures

4.1.1 Eyes	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops seek medical attention. No delayed effects are expected.
4.1.1 Skin	Wash exposed area with soap and water. No effects expected.
4.1.1 Inhalation	For polymer dust inhalation, remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if not breathing or if breathing is difficult. No delayed effects are expected.
4.1.1 Ingestion	Remove polymer from mouth by rinsing with cool water (do not swallow) until no longer sticky. No adverse or delayed reactions are expected. If a large volume is swallowed, seek medical attention.
4.2 Symptoms/Effects	Irritation is the only expected symptom or effect from prolonged exposure. Treat symptomatically and seek medical aid if treatment does not provide relief.
4.3 Immediate/Special Medical treatment	None indicated.

Section 5: Fire-Fighting Measures

5.1 Extinguishing Media	All methods are suitable, water spray, dry chemical, carbon dioxide, or chemical foam.
5.2 Special Fire Fighting Instructions	Material decomposes above 380° C and toxic fumes may be generated.
5.3 Advice for Firefighters	No special advice for firefighters.

Section 6: Accidental Release Measures

6.1.1 Spill or Release	An EN143/EN149 approved dust mask should be worn if polymer dust is present. Persons not wearing dust masks should be excluded from the area of the spill until dust is no longer present.
6.1.2 Emergency Response	Spills should not require emergency responders. No special advice for responders.
6.2 Environmental concerns	Do not wash large volumes of polymer down the drains, it may clog drains.
6.3 Method for clean up	Shovel spilled material into containers. Thoroughly sweep up residual material avoiding generation of dust. Wash spill site after material pick-up is complete.
6.4 References	None.

Section 7: Storage and Handling

7.1 Safe Handling	Keep in closed or covered containers when not in use. Do not smoke where polymer dust is present. Protect from moisture and strong oxidizing agents. Avoid generation of dust.
7.2 Safe Storage	Store in a cool dry place with adequate ventilation.
7.3 Specific End Uses	No special advice needed.

Section 8: Exposure Controls and Personal Protection	
8.1 Union exposure limit	Not determined to be hazardous, no limits set. No monitoring procedures set.
8.2.1 Engineering Controls	Ventilation if dust is generated.
8.2.2 Eyes	Exposure not expected to cause damage, goggles may be used.
8.2.2 Skin	Exposure not expected to cause damage
8.2.2 Respirator	EN143/EN149 approved dust masks are recommended if dust is generated.
8.2.2 Thermal Hazard	Not a thermal hazard.
8.2.3 Environmental Exposure Controls	No advice.

Section 9: Physical and Chemical Properties	
Physical State	Solid
Appearance	Light yellow granules
Odor/Odor Threshold	Not characterized/Not determined
Melting Point	Not determined
Freezing Point	Not applicable
Boiling Point	Not applicable
Solubility in Water	Soluble
Oxidising properties	None
Volatile Content	Not applicable
pH	Neutral in aqueous solution
Auto-ignition Temp.	>400° C
Flammability	Not applicable
Flash Point	Not applicable
Evaporation rate	Not applicable
Explosion limit lower	Not applicable
Explosion limit upper	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	1.14
Decomposition Temp	>380° C
Partition Coefficient n-octonal/water	Not determined
Solubilities	Organic polar solvents: Methanol, ethanol, acetone, etc.
Viscosity	Varies
Molecular Weight	Not Determined
Molecular Formula	-(C ₅ H ₉ NO)-
9.2 Other Information	None.

Section 10: Stability and Reactivity	
10.1 Reactivity	Not determined
10.2 Chemical Stability	Product is stable under normal conditions of storage and handling
10.3 Hazardous Polymerization	Will not occur
10.4 Conditions to Avoid	Moisture. Temperatures above 380° C may produce toxic fumes
10.5 Incompatibilities	Strong oxidizing agents
10.6 Decomposition Products	Nitrogen oxides, carbon monoxide, carbon dioxide

Section 11: Toxicological Information	
11.1 Toxicological Effects	
Acute toxicity – LD50 oral	>5,000 mg/Kg (rat)
Acute toxicity – LD50 dermal	>3,980 mg/Kg (rabbit)
Skin Corrosion/Irritation	Slight redness after repeated applications
Serious eye damage/irritation	Only transient conjunctival irritation seen at 1 hour post application
Respiratory sensitization	No data
Skin sensitization	10/10 negative response (guinea pig)
Germ cell mutagenicity	No data
Carcinogenicity	No data
Reproductive toxicity	No data
STOT-single exposure	Not applicable
STOT-repeat exposure	Not applicable
Aspiration hazard	Not applicable
11.1.5 Likely Routes of Exposure	Skin contact and inhalation (of dust)
11.1.6 Symptoms	Mild irritation with repeated, prolonged exposure.
11.1.7 Effects Acute/Chronic	Acute – irritation/Chronic – no delayed effect.
11.1.8 Interactive Effects	None known
11.1.12 Other Information	Not subject to registration

Section 12: Ecological Information	
12.1 Toxicity	No data
12.2 Persistence and Degradability	No data
12.3 Bio-accumulative Potential	No data
12.4 Mobility in Soil	No data
12.5 PBT and vPvB	No assessment, material is not hazardous
12.6 Other Adverse Effects	None known or expected

Section 13: Disposal Considerations	
13.1 Disposal	Product is considered non-hazardous. Dispose of in a manner consistent with local regulations.

Section 14: Transportation Information	
14.1 UN Number	None. Not regulated
14.2 UN Proper Shipping Name	None. Not regulated.
14.3 Transport Hazard Class	None. Not regulated.
14.4 Packing Group	None. Not regulated.
14.5 Environmental Hazards	None. Not regulated.
14.6 Special Precautions for users	None. Not regulated.
14.7 Transport in bulk according to Annex II of Marpol and IBC Code	Not applicable.

Section 15: Regulatory Information	
(EC) No 1005/2009	Not applicable.
(EC) No 850/2004	Not applicable.
(EC) No 649/2012	Not applicable.
15.1 Safety, Health, and Environmental regulations specific to this substance	Not subject to regulation under 96/82/EC.
15.2 Chemical Safety Assessment	Not applicable.

Section 16: Additional Information
Creation date: 04/09/96 Created by Polymer Chemistry Innovations, Inc.
Last revision date: 10/25/2016 revision #11
Sources for data may be available through the manufacturer.
No hazard statements.
No additional training required to use this material safely
This data sheet and recommendations presented in this data sheet concerning the use of our product and the materials contained therein are believed to be accurate and are based on information that is considered reliable as of the date hereof. However, the customer should determine the suitability of such materials for his or her purpose before adopting them on a commercial scale. Since the use of our products by others is beyond our control, no guarantee, expressed or implied, is made and no responsibility assumed for the use of this material or the results to be obtained therefrom. Information on the form is furnished for the purpose of compliance with Government Health and Safety Regulations and shall not be used for any other purpose. Moreover, the recommendations contained in this data sheet are not to be construed as a license to operate under, or a recommendation to infringe, any existing patents, nor should they be confused with state, municipal, or insurance requirements, or with national safety codes.