

## 1. Identification

<b>Product identifier</b>	<b>AQUATAC™ E 6180</b>
<b>Other means of identification</b>	
<b>SDS number</b>	8920
<b>Product Code</b>	200000000524
<b>Recommended use</b>	Industrial uses: Uses of substances as such or in preparations at industrial sites. Formulation [mixing] of preparations and/or re-packaging (excluding alloys).
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Company</b>	Arizona Chemical Company LLC
<b>Address</b>	Building 100 4600 Touchton Road East, Suite 1200
<b>City/State</b>	Jacksonville, FL
<b>Zip</b>	32246
<b>Country</b>	USA
<b>Phone Number</b>	904-928-8700
<b>Alternate Phone Number</b>	800-526-5294
<b>Fax Number</b>	904-928-8780
<b>Emergency-US</b>	CHEMTREC 800-424-9300

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	The mixture does not meet the criteria for classification.
<b>Precautionary statement</b>	
<b>Prevention</b>	Observe good industrial hygiene practices.
<b>Response</b>	Wash hands after handling.
<b>Storage</b>	Store away from incompatible materials.
<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Rosin Ester		Proprietary	55-<65
Water			35-<45

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Water spray, dry chemical, carbon dioxide. Foam.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Wear suitable protective equipment. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	<p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid prolonged exposure. Avoid release to the environment. Observe good industrial hygiene practices. Follow all SDS/label precautions even after container is emptied because they may retain product residues.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Keep containers closed when not in use. Store at ambient temperature and atmospheric pressure. Manufacturer recommends storing above 40 F. Do not allow material to freeze. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.

**Other**  
**Respiratory protection**  
**Thermal hazards**



Wear suitable protective clothing.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Eye wash fountain and emergency showers are recommended.

**9. Physical and chemical properties**

<b>Appearance</b>	Liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	White.
<b>Odor</b>	Mild.
<b>Odor threshold</b>	Not available.
<b>pH</b>	8.8 - 9.5
<b>Melting point/freezing point</b>	32 °F (0 °C) (water) 68.9 °F (20.5 °C) estimated
<b>Initial boiling point and boiling range</b>	212 °F (100 °C) (water)
<b>Flash point</b>	> 201.2 °F (> 94.0 °C) Setaflash Closed Cup
<b>Evaporation rate</b>	0.3 (n-BuAc=1) (water)
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	18 mm Hg at 20°C (water)
<b>Vapor density</b>	0.6 (air=1) (water)
<b>Relative density</b>	> 1 at 25°C/25°C (water=1)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Dilutable
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	200 - 600 cP Brookfield at 25°C
<b>Other information</b>	
<b>Chemical family</b>	Resin Dispersion
<b>Density</b>	> 1000.00 kg/m <sup>3</sup> at 20°C 1.31 g/cm <sup>3</sup> estimated
<b>Flammability</b>	Nonflammable
<b>Flammability class</b>	Non-hazardous
<b>Percent volatile</b>	40 % by weight (water)
<b>Weighted solids</b>	60 %

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Strong oxidizing agents. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide, water and other products of combustion.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
Rosin Ester	Irritation Corrosion - Eye, No eye irritation.; Data is for similar product. Result: Negative Species: New Zealand white rabbit Organ: Eye Observation Period: 7 days Notes: OECD 405
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Rosin Ester		
<b><u>Acute</u></b>		
<b>  Dermal</b>		
LD50	Sprague-Dawley rat	> 2000 mg/kg At this dose no death occurred.; Data is for similar product.; OECD 402
<b>  Oral</b>		
LD50	Sprague-Dawley rat	> 2000 mg/kg At this dose no death occurred.; Data is for similar product.; OECD 401
<b><u>Subchronic</u></b>		
<b>  Oral</b>		
NOAEL	Sprague-Dawley rat	1757 mg/kg/day, 28 days Fertility; Developmental; Data is for similar product.; OECD 421
NOEL	Sprague-Dawley rat	600 mg/kg/day, 90 days Data is for similar product.; OECD 408

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Corrosivity**

Rosin Ester

Irritation Corrosion - Skin, No skin irritation.; Data is for similar product.

Result: Negative

Species: New Zealand white rabbit

Organ: Skin

Test Duration: 4 hr

Observation Period: 72 hr

Notes: OECD 404

**Serious eye damage/eye irritation**

Direct contact with eyes may cause temporary irritation.

**Eye Contact**

Rosin Ester

Irritation Corrosion - Eye, No eye irritation.; Data is for similar product.

Result: Negative

Species: New Zealand white rabbit

Organ: Eye

Observation Period: 7 days

Notes: OECD 405

**Respiratory or skin sensitization****Respiratory sensitization**

Not available.

**Skin sensitization**

This product is not expected to cause skin sensitization.

**Skin sensitization**

Rosin Ester

Local Lymph Node Assay - Lowest Concentration Producing Reaction, Not a skin sensitizer.

Result: Negative

Species: Mouse

Organ: Skin

Notes: OECD 429

**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Mutagenicity**

Rosin Ester

Germ Cell Mutagenicity: Ames

Result: Negative

Species: Salmonella typhimurium

Notes: OECD 471

Germ Cell Mutagenicity: Chromosome Abberation

Result: Negative

Species: Hamster

Organ: Ovary cells

Notes: OECD 473

In vitro gene mutation study in mammalian cells

Result: Negative

Species: Mouse

Notes: OECD 476

**Carcinogenicity**

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity**

Not available.

**Specific target organ toxicity - single exposure**

Not available.

**Specific target organ toxicity - repeated exposure**

Not available.

**Aspiration hazard**

Not available.

**Chronic effects**

Prolonged inhalation may be harmful.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
Rosin Ester			
<b>Aquatic</b>			
Algae	EL50	Algae	> 1000 mg/l, 72 hr Data is for similar product.; OECD 201
	NOEL	Algae	1000 mg/l, 72 hr Data is for similar product.; OECD 201
Crustacea	EC50	Daphnia	> 100 mg/l, 48 hr OECD 202
	NOEL	Daphnia	100 mg/l, 48 hr OECD 202
Fish	LL50	Fathead minnow ( <i>Pimephales promelas</i> )	> 1000 mg/l, 96 hr At this dose no death occurred.; Data is for similar product.; OECD 203
	NOEL	Fathead minnow ( <i>Pimephales promelas</i> )	1000 mg/l, 96 hr Data is for similar product.; OECD 203

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** Not readily degradable.

### Biodegradability

#### Percent degradation (Aerobic biodegradation)

Rosin Ester 0 % CO<sub>2</sub> Evolution Test  
Result: Not readily biodegradable.  
Species: Activated sewage sludge  
Test Duration: 28 d

### Bioaccumulative potential

#### Partition coefficient n-octanol / water (log K<sub>ow</sub>)

Rosin Ester 3.97, at 20°C

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. Regulatory information

**US federal regulations** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**NFPA ratings** Health: 1  
Flammability: 1  
Instability: 0

**NFPA ratings**



## 16. Other information, including date of preparation or last revision

**Issue date** 05-06-2015  
**Revision date** 12-15-2016  
**Version #** 2.0

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## Revision information

Hazard(s) identification: Classification of the substance or mixture

Hazard(s) identification: Emergency overview

Hazard(s) identification: Response

Hazard(s) identification: Main symptoms

Hazard(s) identification: Supplemental information

Hazard(s) identification: GHS Summary - Health hazards

Composition / Information on Ingredients: Disclosure Overrides