

# Associated Technologies AT-8040 Resin

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 09/30/2014

Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixtures  
Product name. : Associated Technologies 5396 Resin  
Product code : Associated Technologies 5396 Resin  
Formula : Associated Technologies 5396

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Adhesive: component

#### 1.3. Details of the supplier of the safety data sheet

Associated Technologies  
57 Ozick Drive – Suite G  
Durham, CT 06422  
860-788-3380

#### 1.4. Emergency telephone number

Emergency number : (800) 255-3924 (CHEM•TEL)  
Outside North America #: (813) 248-0585 (Call Collect)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
Carc. 1A	H350
Aquatic Acute 3	H402

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger.

Hazard statements (GHS-US) :

H225 - Highly flammable liquid and vapor  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H350 - May cause cancer  
H402 - Harmful to aquatic life

Precautionary statements (GHS-US) :

P262 - Do not get in eyes, on skin, or on clothing  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P261 - Avoid breathing vapors  
P270 - Do not eat, drink or smoke when using this product  
P301 + P330 + P331 - If swallowed: rinse mouth. Do NOT induce vomiting  
P273 - Avoid release to the environment  
P280 - Wear protective gloves, protective clothing, eye protection  
P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing.  
P314 - Get medical advice/attention if you feel unwell  
P363 - Wash contaminated clothing before reuse  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
P337 + P313 - If eye irritation persists: Get medical advice/attention  
P370 + P378 - In case of fire: Use Use dry chemical, CO<sub>2</sub>, or Foam to extinguish  
P403 + P235 - Store in a cool and well-ventilated place.  
P411 + P235 - Store at temperatures not exceeding 38C/100F. Keep cool.  
P501 - Dispose of contents/container to an approved waste disposal plant, in accordance with applicable local, state, national laws  
P271 - Use only outdoors or in a well-ventilated area  
P302 - IF ON SKIN: Wash skin with mild soap and water.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification (GHS-US)
methylmethacrylate, monomer, inhibited	(CAS No) 80-62-6	25 - 60	Flam. Liq. 2, H225 Aquatic Acute 3, H402
quartz	(CAS No) 14808-60-7	24.36 - 27.972	Carc. 1A, H350
Polyurethane methacrylate Blend		5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Elastomer modifier		5 - 10	Skin Sens. 1B, H317 STOT SE 3, H335
ethene/ethenylacetate.copolymer	(CAS No) 24937-78-8	3.6582 - 6.097	Carc. 2, H351
methacrylic acid, stabilized	(CAS No) 79-41-4	< 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Aquatic Acute 3, H402
maleic acid	(CAS No) 110-16-7	< 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Aquatic Acute 2, H401

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice. Never give anything by mouth to an unconscious person. Unconscious: maintain adequate airway and respiration.
- First-aid measures after inhalation : Immediately consult a doctor/medical service. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Remove contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth with water. Do NOT induce vomiting. Get immediate medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Cough.
- Symptoms/injuries after skin contact : Skin rash/inflammation. Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- suitable extinguishing media : carbon dioxide (CO<sub>2</sub>), dry chemical powder, foam.
- Unsuitable extinguishing media : Do not use water jet to extinguish.

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### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable. Heat destroys stabilizer against polymerization. Insoluble in water.
Explosion hazard	: May build up electrostatic charges: risk of ignition hazard. may be ignited by sparks.
Reactivity	: Alkalis. Amines. Moisture. Oxidizers. Reducing agents. Strong acids, bases. Ultraviolet radiation.

### 5.3. Advice for firefighters

Precautionary measures fire	: Exposure to fire/heat: consider evacuation. Exposure to fire/heat: keep upwind. Exposure to fire/heat: seal off low-lying areas.
Firefighting instructions	: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: carbon oxides (CO and CO <sub>2</sub> ). Nitrogen oxides. Hydrogen cyanide. Isocyanates. smokes. Other toxic vapors.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ensure adequate ventilation. Eliminate ignition sources. Use protective clothing. Use special care to avoid static electric charges. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Gloves. Protective clothing. Safety glasses.
Emergency procedures	: Evacuate unnecessary personnel. Keep upwind. Remove all sources of ignition. Seal off low-lying areas. Use personal protective equipment as required.

#### 6.1.2. For emergency responders

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Stop leak if safe to do so. Ventilate area.

### 6.2. Environmental precautions

Try to stop release. Avoid release to the environment. Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

For containment	: Dam up the liquid spill. Plug the leak, cut off the supply.
Methods for cleaning up	: Take up liquid spill into inert absorbent material. Absorbed substance: shovel into drums.

### 6.4. Reference to other sections

See also sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: Keep away from Heat, sources of ignition. - No smoking.
Precautions for safe handling	: Do no eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Do not discharge the waste into the drain. Keep away from sources of ignition - No smoking. Take precautions against electrostatic charges. Use only non-sparking tools. Use personal protective equipment as required.
Hygiene measures	: Do no eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.
Storage conditions	: Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight., Heat sources.
Incompatible products	: strong acids. Reducing agents. amines. Oxidizing agent. Strong bases.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Maximum storage period	: 6 months @ 23C stored in original SEALED container
Storage temperature	: ≤ 37.7 °C
Heat-ignition	: ignition sources. heat sources.
Prohibitions on mixed storage	: peroxides. reducing agents.

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Storage area : Limited time of storage. Keep only in the original container. Store in a dry area. Store in a cool area. Store in a well-ventilated place.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.  
Personal protective equipment : Gloves. Protective clothing. Safety glasses. Respiratory protection not required in normal conditions.



Materials for protective clothing : Chemical resistant.  
Hand protection : Wear chemically resistant protective gloves.  
Eye protection : Wear safety glasses with side shields.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : Respiratory protection not required in normal conditions.  
Thermal hazard protection : None necessary.  
Environmental exposure controls : Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Paste.  
Color : White to yellow-brown  
Odor : Acrylic  
Odor threshold : No data available  
pH : No data available  
Relative evaporation rate (butyl acetate=1) : 3  
Melting point : No data available  
Freezing point : 0 °C  
Boiling point : 101 °C  
Flash point : 10.5 °C  
Self ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapor pressure : 29 mm Hg @20C  
Relative vapor density at 20 °C : > 1  
Relative density : 1.227  
Solubility : Insoluble in water.  
Water: Solubility in water of component(s) of the mixture :  
•: 1.5 g/100ml •: 2.3 g/100ml •: 0.15 g/100ml •: < 0.1 g/100ml •: •: •: < 0.002 g/100ml •: > 2 g/100ml •: •: < 0.0001 g/100ml •: •: •: 103 g/100ml •: 69 g/100ml •: •: 0.000076 g/100ml •: 4.0 g/100ml •: •: 9.7 g/100ml •: < 0.001 g/100ml •: 0.005 g/100ml •: 0.71 g/100ml •: 0.55 g/100ml •: 67 g/100ml •: 79 g/100ml  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available

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Viscosity, dynamic	: No data available
Explosive properties	: Heating may cause a fire or explosion.
Oxidizing properties	: None.
Explosive limits	: 2.1 - 12.5 vol % MMA

### 9.2. Other information

VOC content	: < 50 g/l Activator and Adhesive mixed
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Alkalis. Amines. Moisture. Oxidizers. Reducing agents. Strong acids, bases. Ultraviolet radiation.

### 10.2. Chemical stability

Flammable liquid and vapor. Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

### 10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

### 10.5. Incompatible materials

Refer to Section 10.1.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. hydrocarbons. Hydrogen Cyanide. Isocyanate containing vapors. irritating organic vapors. Oxides of Nitrogen.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>methymethacrylate, monomer, inhibited (80-62-6)</b>	
LD50 oral rat	> 6000 mg/kg (7900 mg/kg bodyweight; 8400 mg/kg bodyweight; Rat; Rat; Rat)
LD50 dermal rabbit	> 7550 mg/kg (>5000 mg/kg bodyweight; Rabbit; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	27.5 mg/l/4h (Rat)
ATE US (vapours)	27.50000000 mg/l/4h
ATE US (dust,mist)	27.50000000 mg/l/4h

<b>ethene/ethenylacetate,copolymer (24937-78-8)</b>	
LD50 oral rat	> 2000 mg/kg (Rat)

<b>methacrylic acid, stabilized (79-41-4)</b>	
LD50 oral rat	1060 (Rat)
LD50 dermal rabbit	500 (Rabbit)
LC50 inhalation rat (mg/l)	7 mg/l/4h (Rat)
ATE US (oral)	1060.00000000 mg/kg body weight
ATE US (dermal)	500.00000000 mg/kg body weight
ATE US (vapours)	7.00000000 mg/l/4h
ATE US (dust,mist)	7.00000000 mg/l/4h

<b>maleic acid (110-16-7)</b>	
LD50 oral rat	708 mg/kg (Rat)
LD50 dermal rabbit	1560 mg/kg (Rabbit)
ATE US (oral)	708.00000000 mg/kg body weight
ATE US (dermal)	1560.00000000 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.

<b>methymethacrylate, monomer, inhibited (80-62-6)</b>	
IARC group	3 - Not Classifiable

<b>quartz (14808-60-7)</b>	
IARC group	1 - Carcinogenic to Humans

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<b>quartz (14808-60-7)</b>	
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens
<b>ethene/ethenylacetate,copolymer (24937-78-8)</b>	
IARC group	2B - Possibly Carcinogenic to Humans
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Cough.
Symptoms/injuries after skin contact	: Skin rash/inflammation. Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>methylnmethacrylate, monomer, inhibited (80-62-6)</b>	
LC50 fish 1	130 mg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 1	69 mg/l (48 h; Daphnia magna; GLP)
LC50 fish 2	191 mg/l (96 h; Lepomis macrochirus)
EC50 Daphnia 2	502 mg/l (24 h; Daphnia magna)
TLM fish 1	159 mg/l (96 h; Pimephales promelas)
Threshold limit other aquatic organisms 1	100 mg/l (16 h; Pseudomonas putida)
Threshold limit algae 1	37 mg/l (168 h; Scenedesmus quadricauda; Toxicity test)
Threshold limit algae 2	120 mg/l (192 h; Microcystis aeruginosa)

<b>ethene/ethenylacetate,copolymer (24937-78-8)</b>	
LC50 fish 1	> 100 mg/l (96 h; Leuciscus idus; Estimated value)
Threshold limit other aquatic organisms 1	1000 mg/l (Activated sludge)

<b>methacrylic acid, stabilized (79-41-4)</b>	
LC50 fish 1	100-180,96 h; Brachydanio rerio
EC50 Daphnia 1	100-180,24 h; Daphnia magna; Nocivity test
LC50 fish 2	85 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 2	> 130 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	45 mg/l (72 h; Selenastrum capricornutum)

<b>maleic acid (110-16-7)</b>	
LC50 fish 1	240 mg/l (48 h; Gambusia affinis)
EC50 Daphnia 1	316 mg/l (48 h; Daphnia magna)
LC50 fish 2	5 mg/l (96 h; Pimephales promelas)
TLM fish 1	240 ppm (48 h; Gambusia affinis)
TLM fish 2	5 ppm (96 h; Pimephales promelas)

### 12.2. Persistence and degradability

<b>methylnmethacrylate, monomer, inhibited (80-62-6)</b>	
Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available. Photolysis in the air.
Biochemical oxygen demand (BOD)	0.14 g O <sup>2</sup> /g substance
ThOD	1.9 g O <sup>2</sup> /g substance
BOD (% of ThOD)	0.073 % ThOD

<b>quartz (14808-60-7)</b>	
Persistence and degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

<b>ethene/ethenylacetate,copolymer (24937-78-8)</b>	
Persistence and degradability	Not readily biodegradable in water.

<b>methacrylic acid, stabilized (79-41-4)</b>	
Persistence and degradability	Readily biodegradable in water. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0.89 g O <sup>2</sup> /g substance

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<b>methacrylic acid, stabilized (79-41-4)</b>	
ThOD	1.67 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.5329 % ThOD
<b>maleic acid (110-16-7)</b>	
Biochemical oxygen demand (BOD)	0.38 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.83 g O <sub>2</sub> /g substance
ThOD	0.83 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.38 % ThOD

### 12.3. Bioaccumulative potential

<b>methylmethacrylate, monomer, inhibited (80-62-6)</b>	
BCF fish 1	2.97 - 3.5 (Pisces)
Log Pow	1.32 - 1.38 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C, Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C, Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>quartz (14808-60-7)</b>	
Bioaccumulative potential	Bioaccumulation: not applicable.

<b>ethene/ethenylacetate, copolymer (24937-78-8)</b>	
Bioaccumulative potential	No bioaccumulation data available.

<b>methacrylic acid, stabilized (79-41-4)</b>	
Log Pow	0.93
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>maleic acid (110-16-7)</b>	
BCF fish 1	< 10 (72 h; Leuciscus idus)
BCF other aquatic organisms 1	11 (24 h; Chlorella sp.)
Log Pow	-0.79 - -0.32
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

### 12.4. Mobility in soil

<b>methylmethacrylate, monomer, inhibited (80-62-6)</b>	
Surface tension	0.028 N/m (20 °C)

<b>methacrylic acid, stabilized (79-41-4)</b>	
Surface tension	0.02 N/m (23 °C)

### 12.5. Other adverse effects

- Effect on ozone layer : No additional information available
- Effect on the global warming : No known ecological damage caused by this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
- Additional information : RCRA Code U162. RCRA Code D001.
- Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

## SECTION 14: Transport information

- In accordance with DOT
- UN-No.(DOT) : 1133
- DOT Proper Shipping Name : Adhesives (containing a flammable liquid)
- Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
- Hazard labels (DOT) : 3 - Flammable liquid





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Packing group (DOT)	: II - Medium Danger
DOT Special Provisions (49 CFR 172.102)	: 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons). B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 173
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

### Additional information

Other information	: No supplementary information available.
Special transport precautions	: Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.

### ADR

Transport document description	: UN 1133, 3, II, (D/E)
Packing group (ADR)	: II
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 33
Classification code (ADR)	: F1
Danger labels (ADR)	: 3 - Flammable liquids



Orange plates	: An orange rectangular label with a black border. It is divided into two horizontal sections. The top section contains the number '33' and the bottom section contains the number '1133'.
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Tunnel restriction code (ADR)	: D/E
LQ	: 5L
Excepted quantities (ADR)	: E2

### Transport by sea

UN-No. (IMDG)	: 1133
Proper Shipping Name (IMDG)	: Adhesives
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: II - substances presenting medium danger
Limited quantities (IMDG)	: 5L



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EmS-No. (1) : F-E  
EmS-No. (2) : S-D

### Air transport

UN-No.(IATA) : 1133  
Proper Shipping Name (IATA) : Adhesives  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : II - Medium Danger  
Instruction "cargo" (ICAO) : 364  
Instruction "passenger" (ICAO) : 353  
Instruction "passenger" - Limited quantities (ICAO) : Y341

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

<b>Associated Technologies 5396 Resin</b>	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

<b>methylmethacrylate, monomer, inhibited (80-62-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	None
SARA Section 302 Threshold Planning Quantity (TPQ)	None
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Reactive hazard
SARA Section 313 - Emission Reporting	100 %

<b>Elastomer modifier</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	None
SARA Section 302 Threshold Planning Quantity (TPQ)	None
SARA Section 313 - Emission Reporting	None

<b>methacrylic acid, stabilized (79-41-4)</b>	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	None
SARA Section 302 Threshold Planning Quantity (TPQ)	None
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard Fire hazard
SARA Section 313 - Emission Reporting	None

<b>maleic acid (110-16-7)</b>	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Immediate (acute) health hazard

### 15.2. International regulations

#### CANADA

<b>Associated Technologies 5396 Resin</b>	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

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### **methacrylate, monomer, inhibited (80-62-6)**

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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### **methacrylic acid, stabilized (79-41-4)**

WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class E - Corrosive Material Class F - Dangerously Reactive Material
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### EU-Regulations

No additional information available

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Skin Sens. 1	H317
Muta. 1B	H340
Carc. 1B	H350
STOT SE 3	H335
Aquatic Chronic 3	H412

Full text of H-phrases: see section 16

### Classification according to Directive 67/548/EEC or 1999/45/EC

#### 15.2.2. National regulations

<b>Associated Technologies 5396 Resin</b>
Components of this product are listed or exempt from listing on the Canadian Domestic Substance List.

#### 15.3. US State regulations

##### **Associated Technologies 5396 Resin**

State or local regulations	This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.
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##### **quartz (14808-60-7)**

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes				

##### **quartz (14808-60-7)**

This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

##### **Polyurethane methacrylate Blend**

There are no chemicals in this product subject to Proposition 65.

## SECTION 16: Other information

Training advice : Ensure operators understand the flammability hazard. Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases: see section 16:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Carc. 1A	Carcinogenicity Category 1A
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 4	Flammable liquids Category 4
Skin Corr. 1A	skin corrosion/irritation Category 1A
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1

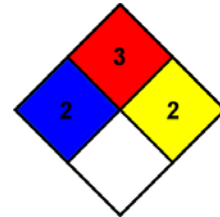
# Associated Technologies AT-8040 Resin

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Skin Sens. 1B	Skin sensitization Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H350	May cause cancer
H351	Suspected of causing cancer
H401	Toxic to aquatic life
H402	Harmful to aquatic life

- NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
- NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.
- NFPA reactivity : 2 - Normally unstable and readily undergo violent decomposition but do not detonate. Also: may react violently with water or may form potentially explosive mixtures with water.



### HMIS III Rating

- Health : 2 Moderate Hazard - Temporary or minor injury may occur
- Flammability : 3 Serious Hazard
- Physical : 2 Moderate Hazard
- Personal Protection : X

SDS US (GHS HazCom 2012)

**DISCLAIMER:** The information contained in this data sheet is empirical or based on laboratory testing and is not intended for design purposes. Associated Technologies makes no representations or warranties of any kind concerning these data. Associated Technologies assumes no responsibility or liability for results obtained by the end-user where Associated Technologies has no control over variables of storage, substrates, surface preparation, temperature, handling and application. End-users are solely responsible for making their own tests and evaluation of this product prior to use in their manufacturing process to determine if this product is suitable for the application.

### Associated Technologies

57 Ozick Drive – Suite G - Durham, CT 06422

Phone 860 - 788 - 3380 - Fax 603 895 6236

[www.weldmountsystem.com](http://www.weldmountsystem.com) - [infor@weldmountsystem.com](mailto:infor@weldmountsystem.com)

# Associated Technologies AT-8040 Activator

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 09/30/2014

Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixtures  
Product name. : AT-8040 Activator  
Product code : Associated Technologies AT-8040 Activator  
Formula : Associated Technologies AT-8040 Activator

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Adhesive: component

#### 1.3. Details of the supplier of the safety data sheet

Associated Technologies  
57 Ozick Drive – Suite G  
Durham, CT 06422  
860-788-3380

#### 1.4. Emergency telephone number

Emergency number : (800) 255-3924 (CHEM•TEL)  
Outside North America #: (813) 248-0585 (Call Collect)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Flam. Liq. 2 H225  
Carc. 1A H350  
Aquatic Acute 3 H402

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS02

GHS08

Signal word (GHS-US) :

Danger.

Hazard statements (GHS-US) :

H225 - Highly flammable liquid and vapor  
H350 - May cause cancer  
H402 - Harmful to aquatic life

Precautionary statements (GHS-US) :

P261 - Avoid breathing vapors  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P273 - Avoid release to the environment  
P280 - Wear eye protection, protective clothing, protective gloves  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P314 - Get medical advice/attention if you feel unwell  
P370 + P378 - In case of fire: Use dry chemical, CO<sub>2</sub>, or Foam to extinguish  
P403 + P235 - Store in a cool and well-ventilated place.  
P411 + P235 - Store at temperatures not exceeding 38C/100F. Keep cool.  
P501 - Dispose of contents/container to an approved waste disposal plant, in accordance with applicable local, state, national laws  
P262 - Do not get in eyes, on skin, or on clothing  
P270 - Do not eat, drink or smoke when using this product  
P271 - Use only outdoors or in a well-ventilated area

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P301 + P330 + P331 - If swallowed: rinse mouth. Do NOT induce vomiting  
P302 - IF ON SKIN: Wash skin with mild soap and water.  
P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
P337 + P313 - If eye irritation persists: Get medical advice/attention  
P363 - Wash contaminated clothing before reuse

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification (GHS-US)
methylmethacrylate, monomer, inhibited	(CAS No) 80-62-6	25 - 60	Flam. Liq. 2, H225 Aquatic Acute 3, H402
quartz	(CAS No) 14808-60-7	24.36 - 27.972	Carc. 1A, H350
ethene/ethenylacetate,copolymer	(CAS No) 24937-78-8	4.7439 - 7.9065	Carc. 2, H351

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice. Never give anything by mouth to an unconscious person. Unconscious: maintain adequate airway and respiration.

First-aid measures after inhalation : Immediately consult a doctor/medical service. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Remove contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth with water. Do NOT induce vomiting. Get immediate medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Cough.

Symptoms/injuries after skin contact : Skin rash/inflammation. Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

suitable extinguishing media : carbon dioxide (CO<sub>2</sub>), dry chemical powder, foam.

Unsuitable extinguishing media : Do not use water jet to extinguish.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable. Heat destroys stabilizer against polymerization. Insoluble in water.

Explosion hazard : May build up electrostatic charges: risk of ignition hazard. may be ignited by sparks.

Reactivity : Alkalis. Amines. Moisture. Oxidizers. Reducing agents. Strong acids, bases. Ultraviolet radiation.

### 5.3. Advice for firefighters

Precautionary measures fire : Exposure to fire/heat: consider evacuation. Exposure to fire/heat: keep upwind. Exposure to fire/heat: seal off low-lying areas.

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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Other information : carbon oxides (CO and CO<sub>2</sub>). Nitrogen oxides. Hydrogen cyanide. Isocyanates. smokes. Other toxic vapors.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation. Eliminate ignition sources. Use protective clothing. Use special care to avoid static electric charges. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.

##### 6.1.1. For non-emergency personnel

Protective equipment : Gloves. Protective clothing. Safety glasses.

Emergency procedures : Evacuate unnecessary personnel. Keep upwind. Remove all sources of ignition. Seal off low-lying areas. Use personal protective equipment as required.

##### 6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Stop leak if safe to do so. Ventilate area.

#### 6.2. Environmental precautions

Try to stop release. Avoid release to the environment. Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Dam up the liquid spill. Plug the leak, cut off the supply.

Methods for cleaning up : Take up liquid spill into inert absorbent material. Absorbed substance: shovel into drums.

#### 6.4. Reference to other sections

See also sections 8 and 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Keep away from Heat, sources of ignition. - No smoking.

Precautions for safe handling : Do no eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Do not discharge the waste into the drain. Keep away from sources of ignition - No smoking. Take precautions against electrostatic charges. Use only non-sparking tools. Use personal protective equipment as required.

Hygiene measures : Do no eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.

Storage conditions : Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight., Heat sources.

Incompatible products : strong acids. Reducing agents. amines. Oxidizing agent. Strong bases.

Incompatible materials : Refer to Section 10 on Incompatible Materials.

Maximum storage period : 6 months @ 23C stored in original SEALED container

Storage temperature : ≤ 37.7 °C

Heat-ignition : ignition sources. heat sources.

Prohibitions on mixed storage : peroxides. reducing agents.

Storage area : Limited time of storage. Keep only in the original container. Store in a dry area. Store in a cool area. Store in a well-ventilated place.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.

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Personal protective equipment : Gloves. Protective clothing. Safety glasses. Respiratory protection not required in normal conditions.



Materials for protective clothing : Chemical resistant.  
Hand protection : Wear chemically resistant protective gloves.  
Eye protection : Wear safety glasses with side shields.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : Respiratory protection not required in normal conditions.  
Thermal hazard protection : None necessary.  
Environmental exposure controls : Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Paste.  
Color : White to yellow-brown  
Odor : Acrylic  
Odor threshold : No data available  
pH : No data available  
Relative evaporation rate (butyl acetate=1) : 3  
Melting point : No data available  
Freezing point : 0 °C  
Boiling point : 101 °C  
Flash point : 10.5 °C  
Self ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapor pressure : 29 mm Hg @20C  
Relative vapor density at 20 °C : > 1  
Relative density : 1.212  
Solubility : Insoluble in water.  
Water: Solubility in water of component(s) of the mixture :  
•: 1.5 g/100ml •: 2.3 g/100ml •: 0.15 g/100ml •: < 0.1 g/100ml •: •: •: 0.02 g/100ml •: < 0.002 g/100ml •: > 2 g/100ml •: •: < 0.0001 g/100ml •: •: •: 103 g/100ml •: 69 g/100ml •: •: 10.6 g/100ml •: 0.000076 g/100ml •: 4.0 g/100ml •:  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : Heating may cause a fire or explosion.  
Oxidizing properties : None.  
Explosive limits : 2.1 - 12.5 vol % MMA

#### 9.2. Other information

VOC content : < 50 g/l Activator and Adhesive mixed

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Alkalis. Amines. Moisture. Oxidizers. Reducing agents. Strong acids, bases. Ultraviolet radiation.

#### 10.2. Chemical stability

Flammable liquid and vapor. Stable under normal conditions.



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### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

### 10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

### 10.5. Incompatible materials

Refer to Section 10.1.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. hydrocarbons. Hydrogen Cyanide. Isocyanate containing vapors. irritating organic vapors. Oxides of Nitrogen.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>methylmethacrylate, monomer, inhibited (80-62-6)</b>	
LD50 oral rat	> 6000 mg/kg (7900 mg/kg bodyweight; 8400 mg/kg bodyweight; Rat; Rat; Rat)
LD50 dermal rabbit	> 7550 mg/kg (>5000 mg/kg bodyweight; Rabbit; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	27.5 mg/l/4h (Rat)
ATE US (vapours)	27.50000000 mg/l/4h
ATE US (dust,mist)	27.50000000 mg/l/4h

<b>ethene/ethenylacetate,copolymer (24937-78-8)</b>	
LD50 oral rat	> 2000 mg/kg (Rat)
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.

<b>methylmethacrylate, monomer, inhibited (80-62-6)</b>	
IARC group	3 - Not Classifiable

<b>quartz (14808-60-7)</b>	
IARC group	1 - Carcinogenic to Humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens

<b>ethene/ethenylacetate,copolymer (24937-78-8)</b>	
IARC group	2B - Possibly Carcinogenic to Humans

Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : Cough.

Symptoms/injuries after skin contact : Skin rash/inflammation. Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>methylmethacrylate, monomer, inhibited (80-62-6)</b>	
LC50 fish 1	130 mg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 1	69 mg/l (48 h; Daphnia magna; GLP)
LC50 fish 2	191 mg/l (96 h; Lepomis macrochirus)
EC50 Daphnia 2	502 mg/l (24 h; Daphnia magna)
TLM fish 1	159 mg/l (96 h; Pimephales promelas)
Threshold limit other aquatic organisms 1	100 mg/l (16 h; Pseudomonas putida)
Threshold limit algae 1	37 mg/l (168 h; Scenedesmus quadricauda; Toxicity test)
Threshold limit algae 2	120 mg/l (192 h; Microcystis aeruginosa)

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<b>ethene/ethenylacetate,copolymer (24937-78-8)</b>	
LC50 fish 1	> 100 mg/l (96 h; Leuciscus idus; Estimated value)
Threshold limit other aquatic organisms 1	1000 mg/l (Activated sludge)

### 12.2. Persistence and degradability

<b>methylmethacrylate, monomer, inhibited (80-62-6)</b>	
Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available. Photolysis in the air.
Biochemical oxygen demand (BOD)	0.14 g O <sub>2</sub> /g substance
ThOD	1.9 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.073 % ThOD

<b>quartz (14808-60-7)</b>	
Persistence and degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

<b>ethene/ethenylacetate,copolymer (24937-78-8)</b>	
Persistence and degradability	Not readily biodegradable in water.

### 12.3. Bioaccumulative potential

<b>methylmethacrylate, monomer, inhibited (80-62-6)</b>	
BCF fish 1	2.97 - 3.5 (Pisces)
Log Pow	1.32 - 1.38 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C, Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C, Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>quartz (14808-60-7)</b>	
Bioaccumulative potential	Bioaccumulation: not applicable.

<b>ethene/ethenylacetate,copolymer (24937-78-8)</b>	
Bioaccumulative potential	No bioaccumulation data available.

### 12.4. Mobility in soil

<b>methylmethacrylate, monomer, inhibited (80-62-6)</b>	
Surface tension	0.028 N/m (20 °C)

### 12.5. Other adverse effects

- Effect on ozone layer : No additional information available
- Effect on the global warming : No known ecological damage caused by this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
- Additional information : RCRA Code U162. RCRA Code D001.
- Ecology - waste materials : Hazardous waste due to toxicity. Avoid release to the environment.

## SECTION 14: Transport information

- In accordance with DOT
- UN-No.(DOT) : 1133
- DOT Proper Shipping Name : Adhesives (containing a flammable liquid)
- Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
- Hazard labels (DOT) : 3 - Flammable liquid



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Packing group (DOT)	:	II - Medium Danger
DOT Special Provisions (49 CFR 172.102)	:	149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons). B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).
DOT Packaging Exceptions (49 CFR 173.xxx)	:	150
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	173
DOT Packaging Bulk (49 CFR 173.xxx)	:	242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	60L
DOT Vessel Stowage Location	:	B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

### Additional information

Other information	:	No supplementary information available.
Special transport precautions	:	Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.

### ADR

Transport document description	:	UN 1133, 3, II, (D/E)
Packing group (ADR)	:	II
Class (ADR)	:	3 - Flammable liquid
Hazard identification number (Kemler No.)	:	33
Classification code (ADR)	:	F1
Danger labels (ADR)	:	3 - Flammable liquids



Orange plates	:	An orange rectangular label with a black border. The top half contains the number '33' and the bottom half contains the number '1133'.
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Tunnel restriction code (ADR)	:	D/E
LQ	:	5L
Excepted quantities (ADR)	:	E2

### Transport by sea

UN-No. (IMDG)	:	1133
Proper Shipping Name (IMDG)	:	Adhesives
Class (IMDG)	:	3 - Flammable liquids
Packing group (IMDG)	:	II - substances presenting medium danger
Limited quantities (IMDG)	:	5L

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EmS-No. (1) : F-E  
EmS-No. (2) : S-D

### Air transport

UN-No.(IATA) : 1133  
Proper Shipping Name (IATA) : Adhesives  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : II - Medium Danger  
Instruction "cargo" (ICAO) : 364  
Instruction "passenger" (ICAO) : 353  
Instruction "passenger" - Limited quantities (ICAO) : Y341

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

Associated Technologies AT-8040 Activator	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

methylmethacrylate, monomer, inhibited (80-62-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	None
SARA Section 302 Threshold Planning Quantity (TPQ)	None
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Reactive hazard
SARA Section 313 - Emission Reporting	100 %

### 15.2. International regulations

#### CANADA

Associated Technologies AT-8040 Activator	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

methylmethacrylate, monomer, inhibited (80-62-6)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

#### EU-Regulations

No additional information available

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225  
Skin Irrit. 2 H315  
Skin Sens. 1 H317  
Muta. 1B H340  
Carc. 1B H350  
STOT SE 3 H335  
Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

#### Classification according to Directive 67/548/EEC or 1999/45/EC

### 15.2.2. National regulations

Associated Technologies AT-8040 Activator	
Components of this product are listed or exempt from listing on the Canadian Domestic Substance List.	

# Associated Technologies AT-8040 Activator

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### 15.3. US State regulations

#### Associated Technologies AT-8040 Activator

State or local regulations

This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

#### quartz (14808-60-7)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes				

#### quartz (14808-60-7)

This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

## SECTION 16: Other information

Training advice

: Ensure operators understand the flammability hazard. Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases: see section 16:

Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Carc. 1A	Carcinogenicity Category 1A
Carc. 2	Carcinogenicity Category 2
Flam. Liq. 2	Flammable liquids Category 2
H225	Highly flammable liquid and vapor
H350	May cause cancer
H351	Suspected of causing cancer
H402	Harmful to aquatic life

NFPA health hazard

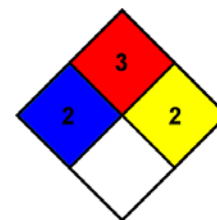
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

: 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity

: 2 - Normally unstable and readily undergo violent decomposition but do not detonate. Also: may react violently with water or may form potentially explosive mixtures with water.



### HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur  
Flammability : 3 Serious Hazard  
Physical : 2 Moderate Hazard  
Personal Protection : X

SDS US (GHS HazCom 2012)

**DISCLAIMER:** The information contained in this data sheet is empirical or based on laboratory testing and is not intended for design purposes. Associated Technologies makes no representations or warranties of any kind concerning these data. Associated Technologies assumes no responsibility or liability for results obtained by the end-user where Associated Technologies has no control over variables of storage, substrates, surface preparation, temperature, handling and application. End-users are solely responsible for making their own tests and evaluation of this product prior to use in their manufacturing process to determine if this product is suitable for the application.

#### Associated Technologies

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