

## SR350

**1. PRODUCT AND COMPANY IDENTIFICATION****Company**

Arkema Inc.  
900 First Avenue  
King of Prussia, Pennsylvania 19406

**Sartomer**

**Customer Service Telephone Number:** (800) SARTOMER  
(Monday through Friday, 8:00 AM to 5:00 PM EST)

**Emergency Information**

**Transportation:** CHEMTREC: (800) 424-9300  
(24 hrs., 7 days a week)

**Medical:** Rocky Mountain Poison Center: (866) 767-5089  
(24 hrs., 7 days a week)

**Product Information**

**Product name:** SR350

**Synonyms:** Trimethylolpropane trimethacrylate

**Molecular formula:** C18H28O6

**Chemical family:** METHACRYLATE ESTER

**Product use:** Adhesives and/or sealants, Coatings, Inks, Paints, elastomers

**SECTION 2: HAZARDS IDENTIFICATION****Emergency Overview**

**Color:** light yellow

**Physical state:** liquid

**Odor:** acrylic-like

**\*Classification of the substance or mixture:**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)  
Chronic aquatic toxicity, Category 2, H411

\*For the full text of the H-Statements mentioned in this Section, see Section 16.

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**GHS-Labeling**

Hazard pictograms:

**Hazard statements:**

H411 : Toxic to aquatic life with long lasting effects.

**Supplemental Hazard Statements:**

Processing may release vapors and/or fumes which cause eye, skin and respiratory tract irritation.

**Precautionary statements:****Prevention:**

P273 : Avoid release to the environment.

**Response:**

P391 : Collect spillage.

**Disposal:**

P501 : Dispose of contents or container to an approved waste disposal plant.

**Supplemental information:****Potential Health Effects:**

Possible cross sensitization with other acrylates and methacrylates. Effects due to processing releases or residual monomer: Irritating to eyes, respiratory system and skin.

Prolonged or repeated exposure may cause: headache, drowsiness, nausea, weakness, (severity of effects depends on extent of exposure).

**Other:**

This product may release fume and/or vapor of variable composition depending on processing time and temperature.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

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Chemical name	CAS-No.	Wt/Wt	GHS Classification**
2-Propenoic acid, 2-methyl-, 2-ethyl-2-[[[(2-methyl-1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester	3290-92-4	<= 100 %	H411

\*\*For the full text of the H-Statements mentioned in this Section, see Section 16.

#### SECTION 4: FIRST AID MEASURES

##### 4.1. Description of necessary first-aid measures:

###### Inhalation:

If inhaled, remove victim to fresh air.

###### Skin:

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

###### Eyes:

Immediately flush eye(s) with plenty of water.

###### Ingestion:

If swallowed, DO NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

##### 4.2. Most important symptoms/effects, acute and delayed:

For most important symptoms and effects (acute and delayed), see Section 2 (Hazard Statements and Supplemental Information if applicable) and Section 11 (Toxicology Information) of this SDS.

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

Unless otherwise noted in Notes to Physician, no specific treatment noted; treat symptomatically.

#### SECTION 5: FIREFIGHTING MEASURES

##### Extinguishing media (suitable):

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Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Dry chemical

**Protective equipment:**

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent).

**Further firefighting advice:**

Fight fire from a protected location.

Cool closed containers exposed to fire with water spray.

Closed containers of this material may explode when subjected to heat from surrounding fire.

Do not allow run-off from fire fighting to enter drains or water courses.

Fire fighting equipment should be thoroughly decontaminated after use.

**Fire and explosion hazards:**

When burned, the following hazardous products of combustion can occur:

Carbon oxides

Hazardous organic compounds

Polymerization is exothermic and can degenerate into an uncontrolled reaction.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, Emergency procedures, Methods and materials for containment/clean-up:**

Prevent further leakage or spillage if you can do so without risk. Ventilate the area. Avoid generation of vapors. Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labeled containers for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

**Protective equipment:**

Appropriate personal protective equipment is set forth in Section 8.

**SECTION 7: HANDLING AND STORAGE****Handling****General information on handling:**

Avoid breathing processing vapor or mist.

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing.

**Storage****General information on storage conditions:**

Store out of direct sunlight in a cool well-ventilated place. Keep stabilizer levels constant to avoid explosive polymerization. An air space is required above the liquid in all containers; avoid storage under an oxygen-free atmosphere.

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**Storage stability – Remarks:**

Inhibitor levels should be maintained. The typical shelf-life for this product is 6 months.

**Storage incompatibility – General:**

Store separate from:  
 Strong oxidizing agents  
 Strong reducing agents  
 Free radical generators  
 Inert gas  
 Oxygen scavenger.  
 Peroxides

**Temperature tolerance – Do not store below:**

32 °F (0 °C)

**Temperature tolerance – Do not store above:**

100 °F (38 °C)

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Airborne Exposure Guidelines:****2-Propenoic acid, 2-methyl-, 2-ethyl-2-[[[(2-methyl-1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester (3290-92-4)**

US. OARS. WEELs Workplace Environmental Exposure Level Guide, as amended

Skin designation

Remarks: Can be absorbed through the skin.

Time weighted average

Remarks: 1 mg/m<sup>3</sup>  
 Avoid skin or eye contact with liquids or aerosols.

Remarks:

Listed

Only those components with exposure limits are printed in this section. Limits with skin contact designation above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required. Limits with a sensitizer designation above mean that exposure to this material may cause allergic reactions.

**Engineering controls:**

Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

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**Respiratory protection:**

Avoid breathing processing vapor or mist. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components and substances released during processing. Consult respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

**Skin protection:**

Processing of this product releases vapors or fumes which may cause skin irritation. Minimize skin contamination by following good industrial hygiene practice. Wearing protective gloves is recommended. Consult glove manufacturer to determine appropriate type glove material for given application. Avoid natural rubber gloves. Wash hands and contaminated skin thoroughly after contact with processing fumes or vapors. Wash thoroughly after handling.

**Eye protection:**

Use good industrial practice to avoid eye contact. Processing of this product releases vapors or fumes which may cause eye irritation. Where eye contact may be likely, wear chemical goggles and have eye flushing equipment available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	light yellow
<b>Physical state:</b>	liquid
<b>Odor:</b>	acrylic-like
<b>Odor threshold:</b>	No data available
<b>Flash point</b>	280 °F (138 °C) (Method: Pensky-Martens closed cup)
<b>Auto-ignition temperature:</b>	No data available.
<b>Lower flammable limit (LFL):</b>	No data available
<b>Upper flammable limit (UFL):</b>	No data available
<b>pH:</b>	~ 7
<b>Density:</b>	1.061 g/cm <sup>3</sup> (77 °F (25 °C))
<b>Specific Gravity (Relative density):</b>	1.061 (77 °F( 25 °C))Water=1 (liquid)

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<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Boiling point/boiling range:</b>	No data available
<b>Melting point/range:</b>	No data available.
<b>Freezing point:</b>	No data available.
<b>Evaporation rate:</b>	No data available.
<b>Solubility in water:</b>	No data available.
<b>Viscosity, dynamic:</b>	35 - 55 CPS 77 °F (25 °C)
<b>Oil/water partition coefficient:</b>	log Pow: = 4.19, at 77 °F (25 °C)
<b>Thermal decomposition:</b>	No data available.
<b>Flammability:</b>	See GHS Classification in Section 2 if applicable

**SECTION 10: STABILITY AND REACTIVITY****Stability:**

This material is chemically stable under normal and anticipated storage, handling and processing conditions. However, this material can undergo hazardous polymerization.

**Hazardous reactions:**

Hazardous polymerisation may occur.  
Polymerization is exothermic and can degenerate into an uncontrolled reaction.

**Materials to avoid:**

Strong oxidizing agents  
Strong reducing agents  
Free radical generators  
Inert gas  
Oxygen scavenger.  
Peroxides

**Conditions / hazards to avoid:**

This material polymerizes exothermically in the presence of heat, contamination, oxygen free atmosphere, free radicals, peroxides and inhibitor depletion liberating heat. Avoid direct sunlight. Do NOT expose to ultraviolet light.

**Hazardous decomposition products:**

Thermal decomposition giving flammable and toxic products :  
Carbon oxides  
Methacrylates

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Hazardous organic compounds

**SECTION 11: TOXICOLOGICAL INFORMATION**

Data on this material and/or its components are summarized below.

**Data for SR350****Acute toxicity****Oral:**

No deaths occurred. (rat) LD<sub>0</sub> > 2,000 mg/kg.

**Dermal:**

No deaths occurred. (rat) LD<sub>0</sub> > 2,000 mg/kg.

**Skin Irritation:**

Not irritating. (rabbit) (4 h)

**Eye Irritation:**

Causes mild eye irritation. (rabbit)

**Skin Sensitization:**

Not a sensitizer. Guinea pig maximization test. No skin allergy was observed.

**Repeated dose toxicity**

Repeated dermal administration to mouse / affected organ(s): skin, site of contact / signs: Local effects due to an irritant effect / No adverse systemic effects reported.

Repeated oral administration to rat / affected organ(s): kidney, liver / signs: changes in body weight, changes in organ weights, (at the highest dose level)

**Carcinogenicity**

Chronic dermal administration to mouse / No increase in tumor incidence was reported. (According to limited available data)

**Genotoxicity****Assessment in Vitro:**

No genetic changes were observed in laboratory tests using: bacteria

Both positive and negative responses for genetic changes were observed in laboratory tests using: animal cells, human cells

**Assessment in Vivo:**

No genetic changes were observed in laboratory tests using: rats, mice

**Developmental toxicity**

Exposure during pregnancy. Oral (rat) / No birth defects were observed.

Exposure during pregnancy. Oral (rabbit) / Absence of congenital malformations and embryotoxic effects at non-toxic doses for the mothers



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**Reproductive effects**

Extended One-Generation Reproductive Toxicity Study. Oral (rat) / No toxicity to reproduction.

**Other information**

Possible cross sensitization with other acrylates and methacrylates.

**SECTION 12: ECOLOGICAL INFORMATION****Chemical Fate and Pathway**

Data on this material and/or its components are summarized below.

**Data for SR350****Biodegradation:**

Not readily biodegradable. (28 d) biodegradation 53 %

**Bioaccumulation:**

BCF 5.25 (Cyprinus carpio (Carp))

**Octanol Water Partition Coefficient:**

log Pow: = 4.19, at 77 °F (25 °C)

**Ecotoxicology**

Data on this material and/or its components are summarized below.

**Data for SR350****Aquatic toxicity data:**

Toxic. Oncorhynchus mykiss (rainbow trout) 96 h LC50 = 2 mg/l

**Aquatic invertebrates:**

Toxic. Daphnia magna (Water flea) 48 h EC50 > 9.22 mg/l

**Algae:**

Toxic. Raphidocelis subcapitata (freshwater green algae) 72 h EC50 = 3.88 mg/l

**Microorganisms:**

Respiration inhibition / Activated sludge 3 h EC50 > 1,000 mg/l

**Chronic toxicity to fish:**

Toxic. Reproduction Test / Pimephales promelas (fathead minnow) 32 d NOEC = 0.138 mg/l

**Chronic toxicity to aquatic plants:**

Toxic. Raphidocelis subcapitata (freshwater green algae) 72 h NOEC = 0.177 mg/l

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**SECTION 13: DISPOSAL CONSIDERATIONS****Waste disposal:**

Disposal via incineration is recommended. Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

Take appropriate measures to prevent release to the environment.

**SECTION 14: TRANSPORT INFORMATION****US Department of Transportation (DOT)**

**UN Number** : 3082  
**Proper shipping name** : Environmentally hazardous substance, liquid, n.o.s.  
**Technical name** : (Trimethylolpropane Trimethacrylate)  
**Class** : 9  
**Packaging group** : III  
**Marine pollutant** : yes

**International Maritime Dangerous Goods Code (IMDG)**

**UN Number** : 3082  
**Proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Technical name** : (TRIMETHYLOLPROPANE TRIMETHACRYLATE)  
**Class** : 9  
**Packaging group** : III  
**Marine pollutant** : yes  
**Flash point** : 280 °F (138 °C)

**SECTION 15: REGULATORY INFORMATION****Chemical Inventory Status**

US. Toxic Substances Control Act	TSCA	The components of this product are all on the Active TSCA Inventory.
Canadian Domestic Substances List (DSL)	DSL	All components of this product are on the Canadian DSL
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC (CN)	All components of this product are listed or exempted
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	All components of this product are listed or exempted

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Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	All components of this product are listed or exempted
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	All components of this product are listed or exempted
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	All components of this product are listed or exempted
Australian Inventory of Industrial Chemicals	AU AIICL	All components of this product are listed or exempted
Taiwan Chemical Substance Inventory (TCSI)	TCSI	All components of this product are listed or exempted

**United States – Federal Regulations****SARA Title III – Section 302 Extremely Hazardous Chemicals:**

The components in this product are either not SARA Section 302 regulated or regulated but present in negligible concentrations.

**SARA Title III - Section 311/312 Hazard Categories:**

Self-reactive chemicals

**SARA Title III – Section 313 Toxic Chemicals:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):**

The components in this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

**United States – State Regulations****California Prop. 65**

WARNING! This product contains a chemical known to the State of California to cause cancer.

Chemical name  
1,2-Benzenediol

CAS-No.  
120-80-9

Product code: FP01117-P

Version 1.6

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**California Prop. 65**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Chemical name  
Benzene, methyl-

CAS-No.  
108-88-3

**SECTION 16: OTHER INFORMATION**

**Full text of H-Statements referred to under sections 2 and 3.**

H411 Toxic to aquatic life with long lasting effects.

Latest Revision(s):

Reference number: 200003774  
Date of Revision: 08/31/2023  
Date Printed: 08/31/2023

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