

# CA2070 Monomer Acid

## Safety Data Sheet



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

#### 1.1 Product identifier

Product type : Substance  
Trade name : CA2070 Monomer Acid  
Label name : CA2070 Monomer Acid  
Chemical name : Aliphatic acid, mixture of straight chain and methyl-branched C16 and C18 saturated acids, C18 unsaturated fatty acid  
CAS number : 68955-98-6  
EC number : 273-295-9

#### 1.2 Recommended and restricted uses of the substance or mixture

Recommended uses : Industrial, coating additives, adhesives, ink resins, sealants, lubricants, corrosion inhibitors and polymer intermediates.  
Restricted uses : None known.

#### 1.3 Company identification

Company name : Chemical Associates – A Division of Univar USA Inc.  
Company address : 1270 South Cleveland Massillon Road  
: Copley, OH 44321-1683  
Company telephone : 330-666-5200

#### 1.4 Emergency telephone number

Company emergency telephone : 800-347-2891  
CHEMTREC telephone : 800-424-9300

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification (29CFR1910.1200 Appendix A) : None.  
GHS physical hazard : None.  
GHS health hazard : None.  
GHS environmental hazard : None.

#### 2.2 Label warnings of the substance or mixture

Signal word : None.

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Hazard statements : None.  
Precautionary statements : None.  
Hazard symbol (pictogram) : None.

### 2.3 Hazards not otherwise classified

Other hazards : No additional information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

| Chemical name                                                                                                         | Common name  | Percent | CAS number | Health hazard |
|-----------------------------------------------------------------------------------------------------------------------|--------------|---------|------------|---------------|
| Aliphatic acid, mixture of straight chain and methyl-branched C16 and C18 saturated acids, C18 unsaturated fatty acid | Monomer Acid | 100     | 68955-98-6 | None          |

### 3.2 Mixtures

| Chemical name   | Common name | Typical % | CAS number | Health hazard |
|-----------------|-------------|-----------|------------|---------------|
| Not applicable. |             |           |            |               |

## SECTION 4: First-aid measures

### 4.1 Description of first-aid measures

#### Exposure route

Inhalation

Skin contact

Eye contact

Ingestion

#### First-aid measure

: Remove the victim into fresh air. Observe victim's breathing. If breathing is labored seek immediate medical attention.

: Wash immediately with soap and water. If irritation occurs, seek medical attention. Launder contaminated clothing.

: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses if present and easy to do. If irritation occurs, seek immediate medical (ophthalmologist) attention.

: Rinse mouth with plenty of water. For ingestion of large quantities seek immediate medical attention. Do not induce vomiting. Contact poison control center.

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

Symptoms after inhalation : May experience dizziness and headache.  
: Mild irritation of the nose and throat.

Symptoms after skin contact : Mild irritation of the skin may occur.

Symptoms after eye contact : Mild irritation of the eye tissue may occur.

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Symptoms after ingestion : Mild tingling of the tongue and mouth may occur.  
: May cause gastrointestinal irritation, nausea and vomiting.

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

Treatment after inhalation : If breathing is labored seek immediate medical attention.  
Treatment after skin contact : If skin irritation occurs seek immediate medical attention.  
Treatment after eye contact : If eye irritation occurs seek immediate ophthalmologist attention.  
Treatment after ingestion : If ingestion of a large quantity seek immediate poison control center.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable media : Carbon dioxide, foam, dry chemical and water spray.  
Unsuitable media : Do not use water jet.

### 5.2 Specific hazards arising from the substance or mixture

Direct fire hazard : Not flammable.  
Indirect fire hazard : Exposure to temperature above the flash point (185°C).  
Explosive hazard : Exposure to temperature above the flash point (185°C).  
Reactivity : Reactivity with strong oxidizers.  
Combustion products : Carbon dioxide, carbon monoxide and sulfur oxides.

### 5.3 Special protective equipment and precautions for fire-fighters

Protective equipment : Full protective clothing.  
: Self contained breathing apparatus.  
Precautions : Material will burn, but not ignite readily.  
: Contact may cause irritation to eyes.  
: Fire may produce irritating and/or toxic gases.  
: Runoff from fire control may cause pollution.  
Emergency response guide : Not a hazardous substance.

## SECTION 6: Accidental release measures

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

Personal precautions : If substance is a mist, stay upwind.  
Protective equipment : Wear rubber gloves, rubber boots, face shield and chemical hazard suit. If substance is a mist wear dust mask or self contained breathing apparatus.  
Emergency procedures : Mark the spill area with hazard tape or cones. Contain the spill area with suitable absorbent. Keep away from streams, rivers and lakes. If substance is a mist, alert immediate neighborhood to close windows

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and doors. Contain and dissipate mist via spraying with water.

### 6.2 Environmental precautions

Precautions : Keep out of streams, rivers and lakes. Substance is regulated as oil under the Clean Water Act. Abide by all laws per this regulation.

### 6.3 Methods and materials for containment and cleanup

Methods : Use chemical absorbent pigs or manually spread chemical absorbent onto spill area. After the substance is absorbed, dispose in approved waste facility.

Materials : Approved materials include dry earth, sand, clay, chemical absorbent, vermiculite and carbon.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handling temperature : About 10 - 20°C above the melt point (32°C).

Handling equipment : Rubber hoses or stainless steel (grade 304) lines. Stainless steel (grade 304) for pumps.

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

Storage area : Store in dry area. Store at room temperature. Store in dyke area to contain any spills. Protect from heat.

Packaging materials : Polyethylene, stainless steel (grade 304), rubber lined or epoxy lined tanks or drums. Graphite or rubber gaskets.

Incompatibilities : Oxidizers.

## SECTION 8: Exposure controls/personal protection

### 8.1 Exposure controls

OSHA PEL : TWA 5 ng/m<sup>3</sup>

ACGIH TLV : STEL 10mg/m<sup>3</sup>

: TWA 5 mg/ms

NIOSH REL : None.

### 8.2 Appropriate engineering controls

Engineering controls : If mist exists, install ventilation equipped with carbon canisters. Ventilation should be 10 air exchanges per hour. Local exhaust ventilation is recommended.

### 8.3 Personal protection equipment

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Personal protective equipment : Rubber gloves and safety glasses. Dust mask if mist exists.

Personal protective equipment pictograms :



### SECTION 9: Physical and chemical properties

#### 9.1 Physical and chemical properties

Appearance : Light yellow semi-solid to liquid.  
Odor : Mild fatty.  
Odor threshold : No data available.  
pH : No data available. Substance is not readily soluble in water.  
Melting point : 32°C.  
Boiling point : > 200°C.  
Flash point : 185°C, Open Cup.  
Evaporation rate : 0 (n-BuAc=1) estimated.  
Flammability : Not flammable.  
Lower flammability limit : No data available.  
Upper flammability limit : No data available.  
Vapor pressure : <0.001 mm Hg at 20°C.  
Vapor density : No data available.  
Relative density : 0.910 at 25/20 (water).  
Solubility : 15 mg/l at 20°C in water. Data is for similar product.  
Partition coefficient for n-octanol/water : 4.9 at 25°C; data is for a similar product.  
Auto-ignition temperature : 350°C.  
Decomposition temperature : No data available.  
Viscosity : 35 cSt at 40°C.

#### 9.2 Other information

Other information : No additional information available.

### SECTION 10: Stability and reactivity

Reactivity : May react violently with oxidizers.  
Chemical stability : Stable under storage conditions.  
Possibility of hazardous reactions : Hazardous polymerization does not occur.  
Conditions to avoid : Pressure, shock, static discharge or vibration does NOT result in a hazardous condition.

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Incompatible materials : Oxidizers.  
Hazardous decomposition products : Carbon dioxide, carbon monoxide and sulfur oxides.

### SECTION 11: Toxicological information

#### 11.1 Information on the likely routes of exposure

Inhalation exposure : From mist.  
Skin exposure : From mist or splashing.  
Ingestion exposure : Not a likely route of exposure.  
Eye contact : From mist or splashing.

#### 11.2 Symptoms related to the physical, chemical and toxicological characteristics

Inhalation : Labored breathing and irritation of the lungs may occur.  
Skin contact : Mild skin irritation may occur.  
Ingestion : Mild irritation of the mouth, tongue, esophagus and stomach may occur.  
Eye contact : Mild eye irritation may occur.

#### 11.3 Delayed and immediate effects and also chronic effects from short and long term exposure

Inhalation : Chronic effects are not known.  
Skin contact : Chronic effects are not known.  
Ingestion : Chronic effects are not known.  
Eye contact : Chronic effects are not known.

#### 11.4 Numerical measures of toxicity

Oral LD50 : Wistar Rat > 2000 mg/kg. 14 days, data is for a similar product; OECD 401  
Skin LD50 : No data available.  
Ingestion LD50 : No data available.  
Inhalation LD50 : No data available.  
Skin primary irritation : Guinea Pig. Maximisation Assay (Magnusson and Kingman), not a skin sensitizer; Data is for a similar product  
Eye primary irritation : Rabbit. Irritation/corrosion – eye. No eye irritation (72 hours); data is for a similar product; OECD 405

#### 11.5 Carcinogenicity

National Toxicology Program : Not listed.  
International Agency for Research on Cancer : Not listed.  
OSHA : Not listed.

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NIOSH : Not listed.

### 11.6 Other toxicological information

Reproductive toxicity : Not classified.  
Germ cell mutagenicity : Ames, not mutagenic in Ames test; Data is for similar product; OECD 405  
: In vitro Cell Gene Mutation. This material is considered to be non-clastogenic to human lymphocytes in vitro; data is for a similar product; OECD 473  
Respiratory or skin sensitization : Not classified.  
Specific target organ toxicity, single exposure : No data available.  
Specific target organ toxicity, repeated exposure : No data available.  
Aspiration hazard : No data available.

## SECTION 12: Ecological information

### 12.1.1 Ecotoxicity aquatic

Fish LC50 : No data available  
Daphnia EC50 : No data available  
Rotifer EC50 : No data available.  
Algae EC50 : No data available.

### 12.1.2 Ecotoxicity terrestrial

Ecotoxicity terrestrial : No data available.

### 12.2 Persistence and degradability

Water : No data available.  
Soil : No data available.  
Air : No data available.

### 12.3 Bio-accumulative potential

Log Kow : 4.9 at 25°C; data is for similar product  
: This substance has a potential to bio-concentrate.

### 12.4 Mobility in soil

Surface tension : No data available.  
Soil mobility : No data available.

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### 12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment : No data available.

### 12.6 Other adverse effects

Air : Not dangerous to the ozone layer.  
Water : Mild pollutant to surface of water.

## SECTION 13: Disposal considerations

### 13.1 Description of waste residues

Storage tank residues : Liquid residue from tank cleaning.  
Empty package residues : Liquid residue remaining in emptied package container.  
Transport trailer residues : Liquid residue from transport trailer cleaning.  
Absorbent material : Solid absorbent containing mixture from a spill.

### 13.2 Safe handling of waste residues

Storage tank residues : Refer to section 7 for safe handling.  
Empty package residues : Refer to section 7 for safe handling.  
Transport trailer residues : Refer to section 7 for safe handling.  
Absorbent material : Refer to section 7 for safe handling.

### 13.3 Methods of disposal

Storage tank residues : Dispose via an approved incineration facility.  
: Dispose via an approved land fill facility.  
Empty package residues : Dispose only in accordance with local, state and federal regulations.  
: Remove package to an approved package cleaning and recycling facility.  
Transport trailer residues : Dispose only in accordance with local, state and federal regulations.  
: Clean transport trailer at an approved cleaning facility.  
: Disposal of cleaning residues must be in accordance with local, state and federal regulations.  
Absorbent material : Dispose via an approved incineration facility.  
: Dispose via an approved land fill facility.  
: Dispose only in accordance with local, state and federal regulations.

### 13.4 Hazardous waste classification (RCRA)

| Classification | Regulation  | Listed | Hazardous waste number |
|----------------|-------------|--------|------------------------|
| Ignitability   | 40CFR261.21 | No     |                        |
| Corrosivity    | 40CFR261.22 | No     |                        |
| Reactivity     | 40CFR261.23 | No     |                        |
| Toxicity       | 40CFR261.24 | No     |                        |



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### SECTION 14: Transport information

#### 14.1 UN number

UN number : None.

#### 14.2 UN proper shipping name

Proper shipping name : None.

#### 14.3 Transport hazard class

Hazard class : None.

Hazard label : None.

Hazard pictogram : None.

#### 14.4 Packing group

Packing group : None.

#### 14.5 Environmental hazards

Marine pollutant : Not listed.

#### 14.6 Transport in bulk

US DOT : Not regulated.

IMDG : Not regulated.

IATA : Not regulated.

MARPOL 73/78 : Not regulated.

IBC code : Not regulated.

#### 14.7 Special precautions for user

Special precautions : No additional information available.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the substance or mixture

##### 15.1.1 US regulations

SARA 302 (40CFR355) : Not listed.

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SARA 311/312 (40CFR370.66) : Not listed.  
SARA 313 (40CFR372.65) : Not listed.  
CERCLA (40CFR302.4) : Not listed.  
California proposition 65 : Not listed.  
German WGK class : Not listed.

### 15.1.2 Chemical inventories

TSCA USA : Listed.  
AICS Australia : Listed.  
DSL Canada : Listed.  
EC Europe : Listed.  
ECL Korea : Listed.  
IECSC China : Listed.  
ENCS Japan : Listed.  
NzloC New Zealand : Listed.  
PICCS Philippines : Listed.  
SWISS Switzerland : Unknown.

### 15.2 Chemical safety assessment

Safety assessment : No additional information available.

## SECTION 16: Other information

### 16.1 Hazard ratings

|            | Health | Flammability | Physical hazards | Instability |
|------------|--------|--------------|------------------|-------------|
| HMIS (USA) | 1      | 1            | 0                |             |
| NFPA (USA) | 1      | 1            |                  | 0           |

### 16.2 Safety Data Sheet information

Revision date (MM/DD/YY) : 06/09/2015  
Supersede date (MM/DD/YY) : 09/17/2010

### 16.3 Notice to reader

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Chemical Associates – A Division of Univar USA Inc. bears responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

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