SAFETY DATA SHEET

CREMER Oleo Division

Revision Date: 05/19/2015
Date of issue: 05/19/2015

C-699

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Substance
Product Name: C-699
CAS No: 142-62-1

Intended Use of the Product

Use of the Substance/Mixture:
No use is specified

Name, Address, and Telephone of the Responsible Party

Company
Peter Cremer North America, LP
3117 Southside Ave.
Cincinnati, OH 45204
1-513-471-7200
1-877-901-7262 (Toll free)

Emergency Telephone Number

Emergency Number : CHEMTREC: 1-800-424-9300 US and Canada; 1-703-527-3887 for calls originating elsewhere

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Skin Corrosive 1C	H314

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

GHS05

Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) :
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.

Precautionary Statements (GHS-US) :
P260 - Do not breathe vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P280 - Wear protective gloves, protective clothing, and eye protection.
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. If involved in a fire and decomposition occurs,

SECTION 2: HAZARDS IDENTIFICATION

corrosive, toxic, and acrid vapors may be released.

Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name : C-699

CAS No : 142-62-1

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Hexanoic acid	(CAS No) 142-62-1	98 - 100	Skin Corr. 1C, H314 Eye Dam. 1, H318

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

Skin Contact: Do not rub. Remove contaminated clothing. Immediately flush skin with plenty of water for at least 60 minutes. Wash contaminated clothing before reuse. Seek medical attention.

Eye Contact: Do not rub. Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Do not induce vomiting. Rinse mouth. Seek medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes severe skin burns and eye damage.

Inhalation: Contact may cause immediate severe irritation progressing quickly to chemical burns.

Skin Contact: Causes serious burns. Symptoms may include redness, pain, swelling, itching, burning, dryness, and dermatitis.

Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva. Symptoms may include redness, pain, swelling, itching, burning, tearing, and blurred vision.

Ingestion: Ingestion is likely to be harmful or have adverse effects. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

SECTION 5: FIRE-FIGHTING MEASURES

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Not explosive. However, product may produce explosive gas on contact with incompatibilities or upon thermal decomposition

Reactivity: May produce explosive gas on contact with incompatibilities or upon thermal decomposition.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous and explosive fumes will be present.

Firefighting Instructions: Do not breathe fumes from fires or vapors from decomposition. Use water spray or fog for cooling exposed containers.

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

Hazardous Combustion Products: Carbon oxides (CO, CO_2). Irritating, corrosive and/or toxic gases.

Reference to Other Sections: Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice. Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

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

Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Cautiously neutralize spilled liquid. Ventilate area. Collect absorbed material and place into a sealed, labelled container for proper disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Contact competent authorities after a spill.

Reference to Other Sections

See section 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: May release corrosive vapors.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Ensure adequate ventilation. When heated, vapors may form explosive mixtures with air.

Storage Conditions: Store in corrosive resistant container with a resistant inner liner. Storage areas should be periodically checked for corrosion and integrity. Store in a cool, dry, well-ventilated place. Keep containers tightly closed. Do not store this product near heat, flame, or other potential ignition sources. Do not store with oxidizers. Do not store this product in unlabeled containers. Do not puncture or incinerate containers. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers or waste residues of this product. Ground all equipment containing this material. All electrical equipment in areas where this material is stored or handled must meet all applicable requirements of the NFPA's National Electrical Code (NEC). Store and transport in accordance with all applicable laws. Store locked up. Store in a dry,

SECTION 7: HANDLING AND STORAGE

cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible Materials: Strong bases. Strong oxidizers. Sulfites. Nitrites. Thiosulfates. Dithionites. Strong reducers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing. Face shield. Insufficient ventilation: wear respiratory protection.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical safety goggles. Face shield.

Skin and Body Protection: Wear appropriate personal protective equipment.

Respiratory Protection: Use a NIOSH-approved respirator whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink, or smoke during use

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	:	Liquid
Appearance	:	Water-white to light yellow
Odor	:	Sharp, Musty, Rancid
Odor Threshold	:	Not available
pH	:	4.5 - 5.5
Evaporation Rate	:	Not available
Melting Point	:	Not available
Freezing Point	:	Not available
Boiling Point	:	205.8 °C (402.44 °F) at 760 mm Hg (101.3 kPa)
Flash Point	:	110 °C (230 °F) Pensky-Martens Closed Cup
Auto-ignition Temperature	:	Not available
Decomposition Temperature	:	Not available
Flammability (solid, gas)	:	Not available
Lower Flammable Limit	:	Not available
Upper Flammable Limit	:	Not available
Vapor Pressure	:	<= 1 mm Hg at 22 °C (77 °F)
Relative Vapor Density at 20 °C	:	4

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Relative Density	:	0.93
Specific Gravity	:	Not available
Solubility	:	Water: 1% at 22 °C (72 °F)
Partition Coefficient: N-Octanol/Water	:	1.9
Viscosity	:	Not available
Viscosity, Dynamic	:	3.23 mPa.s
Explosion Data – Sensitivity to Mechanical Impact	:	Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge	:	Static discharge could act as an ignition source

SECTION 10: STABILITY AND REACTIVITY

Reactivity: May produce explosive gas on contact with incompatibilities or upon thermal decomposition.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Incompatible materials.

Incompatible Materials: Strong bases. Strong oxidizers. Sulfites. Nitrites. Thiosulfates. Dithionites. Strong reducers.

Hazardous Decomposition Products: Thermal decomposition generates: Carbon oxides (CO, CO_2). Irritating, corrosive, and/or toxic gases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes severe skin burns and eye damage

pH: 4.5 - 5.5

Serious Eye Damage/Irritation: Causes serious eye damage

pH: 4.5 - 5.5

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Contact may cause immediate severe irritation progressing quickly to chemical burns

Symptoms/Injuries After Skin Contact: Causes serious burns. Symptoms may include redness, pain, swelling, itching, burning, dryness, and dermatitis

Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva. Symptoms may include redness, pain, swelling, itching, burning, tearing, and blurred vision

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract

Chronic Symptoms: None expected under normal conditions of use

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data: Not available

SECTION 12: ECOLOGICAL INFORMATION

SECTION 12: ECOLOGICAL INFORMATION

Toxicity Not classified

Hexanoic acid (142-62-1)	
LC50 Fish 1	306 - 334 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC 50 Fish 2	88 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Persistence and Degradability

C-699 (142-62-1)	
Persistence and Degradability	Not established.

Bioaccumulative Potential

C-699 (142-62-1)	
Bioaccumulative Potential	Not established.

Hexanoic acid (142-62-1)	
Log Pow	1.88

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Sewage Disposal Recommendations: Do not empty into drains; dispose of this material and its container in a safe way.

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial, and international regulations.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Proper Shipping Name :CAPROIC ACID
Hazard Class :8
Identification Number :UN2829
Label Codes :8
Packing Group :III
ERG Number :153

In Accordance with IMDG

Proper Shipping Name : CAPROIC ACID
Hazard Class : 8
Identification Number : UN2829
Packing Group : III
Label Codes : 8
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B
MFAG Number : 154

In Accordance with IATA

Proper Shipping Name : CAPROIC ACID
Packing Group : III
Identification Number : UN2829
Hazard Class : 8
Label Codes : 8

SECTION 14: TRANSPORT INFORMATION

ERG Code (IATA) : 8L

In Accordance with TDG

Proper Shipping Name : CAPROIC ACID
Packing Group : III
Hazard Class : 8
Identification Number : UN2829
Label Codes : 8

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

C-699 (142-62-1)	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

Hexanoic acid (142-62-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

US State Regulations

Hexanoic acid (142-62-1)
RTK - U.S. - Massachusetts - Right To Know List
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
RTK - U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Canadian Regulations

C-699 (142-62-1)	
WHMIS Classification	Class E - Corrosive Material

Hexanoic acid (142-62-1)	
Listed on the Canadian DSL (Domestic Substances List) Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Class E - Corrosive Material

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 05/19/2015
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Eye Dam. 1	Serious eye damage/eye irritation Category 1

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Skin Corr. 1C	Skin corrosion/irritation Category 1C
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

Party Responsible for the Preparation of This Document

Peter Cremer North America, LP
1-513-471-7200
1-877-901-7262 (Toll Free)

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SDS NA Peter Cremer