SAFETY DATA SHEET

CREMER Oleo Division

Revision Date: 11/18/2019
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FA-C818DH

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Substance
Product Name: FA-C818DH
CAS-No.: 68938-15-8

Intended Use of the Product

Use Of The Substance/Mixture:
For professional use only.

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

GHS-US/CA Classification

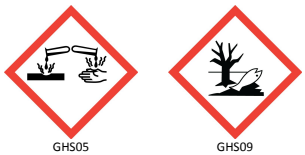
Skin Corr. 1C	H314
Eye Dam. 1	H318
Aquatic Acute 2	H401
Aquatic Chronic 2	H411
Comb. Dust	

Full text of hazard classes and H-statements : see section 16

Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA) :



GHS05 GHS09

Signal Word (GHS-US/CA) : Danger

Hazard Statements (GHS-US/CA) : May form combustible dust concentrations in air.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H401 - Toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US/CA) : P260 - Do not breathe vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P273 - Avoid release to the environment.
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.

SECTION 2: HAZARDS IDENTIFICATION

Rinse skin with water .
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 contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor.
P321 - Specific treatment (see section 4 on this SDS).
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

Supplemental Information : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Proper grounding procedures to avoid static electricity should be followed. Prevent dust accumulation (to minimize explosion hazard). Avoid generating dust.

Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name : FA-C818DH
CAS-No. : 68938-15-8

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Fatty acids, coco, hydrogenated	Coconut oil fatty acids, hydrogenated / Hydrogenated coconut acid / HYDROGENATED COCONUT ACID / Emery 626 / Hydrogenated coconut fatty acid	(CAS-No.) 68938-15-8	100	Skin Irrit. 2, H315 Eye Dam. 1, H318 Comb. Dust
Contains:				
Name	**Synonyms**	**Product Identifier**	**% ***	**GHS Ingredient Classification**
Lauric acid	LAURIC ACID / Neo-fat 12 / Dodecanoic acid / n-Dodecanoic acid	(CAS-No.) 143-07-7	46 - 58	Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Fatty acids, C16-18		(CAS-No.) 67701-03-5	13 - 25	Aquatic Acute 2, H401 Aquatic Chronic 3, H412 Comb. Dust
Tetradecanoic acid	MYRISTIC ACID / Myristic acid	(CAS-No.) 544-63-8	14 - 21	Eye Irrit. 2A, H319 Comb. Dust
Fatty acids, C8-10	Caprylic-capric acid	(CAS-No.) 68937-75-7	13 - 18	Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of H-phrases: see section 16
*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

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 where possible).

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Using proper respiratory protection, move the exposed person to fresh air at once. Encourage exposed person to cough, spit out, and blow nose to remove dust. Immediately call a poison center, physician, or emergency medical service. Immediately call a poison center or doctor/physician.

Skin Contact: Immediately remove contaminated clothing. Immediately flush skin with plenty of water for at least 30 minutes. Get immediate medical advice/attention.

Eye Contact: Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Ingestion: Get medical advice/attention. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes severe skin burns and eye damage.

Inhalation: May be corrosive to the respiratory tract. Dust may be harmful or cause irritation.

Skin Contact: Causes severe irritation which will progress to chemical burns.

Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Ingestion: 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: Water spray, fog, carbon dioxide (CO_2), alcohol-resistant foam, or dry chemical. Use extinguishing media appropriate for surrounding fire.

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

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Dust generated from processing may present a dust explosion hazard. Combustible Dust.

Explosion Hazard: Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

Reactivity: May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Exercise caution when fighting any chemical fire.

Firefighting Instructions: 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).

Other Information: Do not allow run-off from fire fighting to enter drains or water courses. Risk of dust explosion.

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: Do not get in eyes, on skin, or on clothing. Do not breathe dust. Avoid generating dust. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Remove ignition sources. Do not allow product to spread into the environment.

For Non-Emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

SECTION 6: ACCIDENTAL RELEASE MEASURES

Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Eliminate ignition sources. Stop leak if safe to do so. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

Methods and Materials for Containment and Cleaning Up

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Avoid generation of dust during clean-up of spills.
Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Cautiously neutralize spilled solid. Use only non-sparking tools. Avoid generation of dust during clean-up of spills. Contact competent authorities after a spill.

Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Heating of product can release toxic or irritating fumes; ensure proper ventilation is employed, proper precautions are enforced, and applicable regulations are followed. May release corrosive vapors. Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, lighting equipment. Avoid creating or spreading dust. Comply with applicable regulations.
Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in original container or corrosive resistant and/or lined container. Store locked up/in a secure area.
Incompatible Materials: Strong acids, strong bases, strong oxidizers.

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), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Proper grounding procedures to avoid static electricity should be followed. Ensure adequate ventilation, especially in confined areas. Use explosion-proof equipment. Ensure all national/local regulations are observed.

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

Materials for Protective Clothing: Chemically resistant materials and fabrics. Corrosion-proof clothing.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles and face shield.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	:	Solid
Appearance	:	Water liquid to pale yellow
Odor	:	Musty, bland odor
Odor Threshold	:	Not available
pH	:	Not available
Evaporation Rate	:	Not available
Melting Point	:	Not available
Freezing Point	:	Not available
Boiling Point	:	240 - 365 °C (464 - 689 °F) at 760 mm Hg (101.3 kPa)
Flash Point	:	≈ 150 °C (302 °F) PMCC
Auto-ignition Temperature	:	> 250 °C (482 °F)
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 25°C (77°F)
Relative Vapor Density at 20°C	:	Not available
Relative Density	:	Not available
Density	:	0.84 - 0.86 @75°C (167°F)
Specific Gravity	:	Not available
Solubility	:	Water: 113 mg/L @20°C (68°F) with pH 4.2
Partition Coefficient: N-Octanol/Water	:	3.3 @23°C (73.4°F) and pH 4.8
Viscosity	:	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

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, and incompatible materials. Sources of ignition. Dust accumulation (to minimize explosion hazard).

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products: Not expected to decompose under ambient conditions. Thermal decomposition may produce : Corrosive vapors, Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified.
Acute Toxicity (Dermal): Not classified.
Acute Toxicity (Inhalation): Not classified.
LD50 and LC50 Data:

FA-C818DH (68938-15-8)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg body weight
LC50 Inhalation Rat	> 0.1621 mg/l/4h (nominal)

Skin Corrosion/Irritation: Causes severe skin burns and eye damage.
Eye Damage/Irritation: Causes serious eye damage.
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
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: May be corrosive to the respiratory tract. Dust may be harmful or cause irritation.
Symptoms/Injuries After Skin Contact: Causes severe irritation which will progress to chemical burns.
Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.
Symptoms/Injuries After Ingestion: 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:

Fatty acids, coco, hydrogenated (68938-15-8)	
LD50 Oral Rat	> 5000 mg/kg

Lauric acid (143-07-7)	
LD50 Oral Rat	12 g/kg

Tetradecanoic acid (544-63-8)	
LD50 Oral Rat	> 10 g/kg

Fatty acids, C16-18 (67701-03-5)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 0.16 mg/l/4h

SECTION 11: TOXICOLOGICAL INFORMATION

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Toxic to aquatic life with long lasting effects.

Lauric acid (143-07-7)	
LC50 Fish 1	5 mg/l (Exposure time: 96 h - Species: Oryzias latipes)

Tetradecanoic acid (544-63-8)	
LC50 Fish 1	118 mg/l (Exposure time: 96 h - Species: Oryzias latipes [static])

Fatty acids, C16-18 (67701-03-5)	
LC50 Fish 1	> 10000 mg/l
EC50 Daphnia 1	> 4.8 mg/l
NOEC Chronic Algae	> 0.9 mg/l

Persistence and Degradability

FA-C818DH (68938-15-8)	
Persistence and Degradability	May cause long-term adverse effects in the environment.

Bioaccumulative Potential

FA-C818DH (68938-15-8)	
Bioaccumulative Potential	Not established.

Lauric acid (143-07-7)	
Log Pow	4.2

Tetradecanoic acid (544-63-8)	
Log Pow	5.9

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In Accordance with DOT

Proper Shipping Name :CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Contains Fatty acids, C8-10)
Hazard Class :8
Identification Number :UN3261
Label Codes :8
Packing Group :III
Marine Pollutant :Marine pollutant
ERG Number :154

SECTION 14: TRANSPORT INFORMATION

In Accordance with IMDG

Proper Shipping Name	:	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.(Contains Fatty acids, C8-10)
Hazard Class	:	8
Identification Number	:	UN3261
Label Codes	:	8
Packing Group	:	III
EmS-No. (Fire)	:	F-A
EmS-No. (Spillage)	:	S-B
Marine pollutant	:	Marine pollutant

In Accordance with IATA

Proper Shipping Name	:	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (Contains Fatty acids, C8-10)
Hazard Class	:	8
Identification Number	:	UN3261
Label Codes	:	8
SDS_NA_14._PACK_GROUP$Text »	:	III
ERG Code (IATA)	:	8L

In Accordance with TDG

Proper Shipping Name	:	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.Fatty acids, C8-10
Hazard Class	:	8
Identification Number	:	UN3261
Label Codes	:	8
Packing Group	:	III
Marine Pollutant (TDG)	:	Marine pollutant

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

FA-C818DH (68938-15-8)	
SARA Section 311/312 Hazard Classes	Health hazard - Serious eye damage or eye irritation Health hazard - Skin corrosion or Irritation Physical hazard - Combustible dust

Fatty acids, coco, hydrogenated (68938-15-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Fatty acids, C8-10 (68937-75-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Lauric acid (143-07-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Tetradecanoic acid (544-63-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Fatty acids, C16-18 (67701-03-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

Fatty acids, coco, hydrogenated (68938-15-8)
U.S. - Texas - Effects Screening Levels - Long Term

Lauric acid (143-07-7)
U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term

Tetradecanoic acid (544-63-8)

SECTION 15: REGULATORY INFORMATION

U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Canadian Regulations

Fatty acids, coco, hydrogenated (68938-15-8)
Listed on the Canadian NDSL (Non-Domestic Substances List)
Fatty acids, C8-10 (68937-75-7)
Listed on the Canadian DSL (Domestic Substances List)
Lauric acid (143-07-7)
Listed on the Canadian DSL (Domestic Substances List)
Tetradecanoic acid (544-63-8)
Listed on the Canadian DSL (Domestic Substances List)
Fatty acids, C16-18 (67701-03-5)
Listed on the Canadian DSL (Domestic Substances List)

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

Date of Preparation or Latest Revision : 11/18/2019

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Corr. 1C	Skin corrosion/irritation Category 1C
Skin Irrit. 2	Skin corrosion/irritation Category 2
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

IMPORTANT: The information on specifications provided herein, while believed to be accurate and reliable, is given without guarantee or warranty of any kind expressed or implied. Any implied warranties of merchantability and fitness for purposes are expressly disclaimed. Purchaser assumes all risk in acting on this information or any information provided by Peter Cremer N.A. representatives. Individual requirements may vary, and each purchaser is urged to perform its own tests, experiments and investigations in the use of Peter Cremer N.A. products for purposes of determining efficacy for the intended use and for purposes of determining compliance with applicable Federal, State and local laws and regulations. Nothing contained herein shall be construed as a recommendation to use any product in connection with existing patents covering any material or its use. Moreover, no license is to be implied under any patents relating to uses of the above described chemicals other than those uses specifically referenced herein.

Peter Cremer NA GHS SDS 2015