

Safety Data Sheet

CS-FOOD



AEROCHEM

1. Identification

Product identifier	CS-FOOD
Product code	GRCSFOOD400G60CS, GRCSFOOD17KG, GRCSFOOD55KG, GRCSFOO180KG
Other means of identification	CS-FOOD, liquid grease format. This SDS sheet is not for the product in aerosol format.
Recommended use of the chemical and restrictions on use	Multipurpose grease for food industry, anti-friction.
Manufacturer	AEROCHEM Inc. 5977 Trans Canada Highway Pointe-Claire, QC H9R 1C1 Canada General Information: 1-888-592-5837 www.aerochem.ca info@aerochem.ca
Emergency phone number	INFOTRAC®: 1-800-535-5053 International call collect: 1-352-323-3500 24 hours/day, 7 days/week

2. Hazard identification

Summary	Avoid contact with skin, eyes and clothing. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.
----------------	--

WHMIS 2015/GHS/OSHA HCS 2012



Serious eye damage/eye irritation (Category 2)
Skin sensitizer (Category 1)

WARNING

H319: Causes serious eye irritation

H317: May cause an allergic skin reaction

H316: Causes mild skin irritation

P261: Avoid breathing vapours, mist and spray.

P264: Wash skin thoroughly after handling.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves, protective clothing and eye protection.

P302+352: IF ON SKIN: Wash with plenty of water and soap.

P333+313: If skin irritation or a rash occurs: Get medical advice or attention.

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical advice or attention.

P362+364: Take off contaminated clothing and wash before reuse.

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

Other hazards which do not result in classification

Skin irritation (Category 3).

3. Composition/information on ingredients

Common name	CAS	Weight % content
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	10 - 30 %
Calcium carbonate	471-34-1	5 - 10 %
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	1 - 5 %
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	1 - 5 %
Calcium dodecylbenzenesulfonate	26264-06-2	1 - 5 %
Sulfonic acids, petroleum, calcium salts	61789-86-4	1 - 5 %
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0	1 - 5 %

Note: The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

4. First-aid measures

Inhalation	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. If a problem develops or persists, seek medical attention.
Skin contact	Flush with water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Avoid touching eyes with contaminated body parts. If a problem develops or persists, seek medical attention.
Eye contact	IMMEDIATELY flush with plenty of water. Remove contact lenses if easy to do. Flush with water for at least 15 minutes. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
Ingestion	DO NOT induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with plenty of water. Never give anything by mouth if victim is unconscious or convulsing. Seek medical attention or contact a Poison Centre immediately.
Other	No information available.
Symptoms	May cause redness and irritation to eyes. May cause dry skin, itching and irritation. May cause an allergic reaction of the skin.
Notes to the physician	Apply a symptomatic and supportive treatment. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-fighting measures

Suitable extinguishing media	Dry chemicals, water spray, chemical foam, carbon dioxide (CO ₂). Do not use a heavy water jet.
Specific hazards arising from the chemical	Non-flammable. May be combustible at high temperature. Emits toxic and irritating fumes under fire conditions.
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
Special protective actions for fire-fighters	Use water spray to cool fire-exposed containers. Water spray can reduce the intensity of the flames. However, the water jets can spread the fire. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

6. Accidental release measures


Personal precautions, protective equipment and emergency procedures	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	Prevent entry into sewers, closed areas and release to the environment. For a large spill, consult the Department of Environment or the relevant authorities.
Methods and materials for containment and cleaning up	Ventilate the area well. Remove sources of ignition. Stop leak, if it's possible to do so without risk. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Finish cleaning the contaminated surface by rinsing with soapy water. For large liquid spills (> 1 drum), recover by mechanical means such as pumps and skimmers and store the product in a closed container in the dangerous waste shed. Dispose via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling	Use in well ventilated area. Do not breathe vapours, mists or aerosols. Avoid contact with skin, eyes and clothing. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Avoid contamination with another chemical product. Keep containers tightly closed when not in use. Keep away from heat and open flame. Do not eat, do not drink and do not smoke during use. Wash hands, forearms and face thoroughly after handling this compound and before eating, drinking or using toiletries. Remove contaminated clothing and wash before reuse.
Conditions for safe storage, including any incompatibilities	Store tightly closed and in properly labelled containers in a cool, dry and well ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from oxidizing materials and incompatible materials (see section 10). Keep away from direct sunlight and heat.
Storage temperature	0 to 50 °C (32 to 122 °F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	No IDLH value is reported.												
Distillates (petroleum), solvent-refined heavy paraffinic Calcium carbonate	<table> <tr> <td>TWA (8h)</td> <td>Mist</td> <td>5 mg/m³</td> <td>ACGIH , OSHA, RSST</td> </tr> <tr> <td>STEL</td> <td>Respirable Dust</td> <td>20 mg/m³</td> <td>BC</td> </tr> <tr> <td>TWA (8h)</td> <td>Total Dust</td> <td>10 mg/m³</td> <td>ACGIH , RSST</td> </tr> </table>	TWA (8h)	Mist	5 mg/m ³	ACGIH , OSHA, RSST	STEL	Respirable Dust	20 mg/m ³	BC	TWA (8h)	Total Dust	10 mg/m ³	ACGIH , RSST
TWA (8h)	Mist	5 mg/m ³	ACGIH , OSHA, RSST										
STEL	Respirable Dust	20 mg/m ³	BC										
TWA (8h)	Total Dust	10 mg/m ³	ACGIH , RSST										
Appropriate engineering controls	Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.												
Individual protection measures													
Eye	In the workplace, wear safety glasses with side shields. If there is a risk of contact with eyes, wear chemical splash goggles.												
Hands	Chemical-resistant, impervious gloves should be worn at all times when handling this chemical product. Wear nitrile or neoprene gloves. Disposable nitrile gloves can also be used, but discard after single use. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly.												
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. Wear synthetic or a neoprene apron, if necessary, to prevent repeated or prolonged contact with skin.												

Respiratory	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in confined or enclosed space and for an assigned protection factor (APF) up to 10 times the exposure limit, wear a half mask respirator with organic vapour cartridges fitted with P100 filters. For an APF until maximum 100 times of exposure limit, wear a full face respirator mask with organic vapour cartridges and P100 filters.
Feet	Wear rubber boots to clean up a spill.
 Goggles Nitrile gloves	

9. Physical and chemical properties

Physical state	Paste	Flammability	Non-flammable
Colour	Tan	Flammability limits	N/Av.
Odour	Oily	Flash point	>180 °C (356 °F) Open Cup
Odour threshold	N/Av.	Auto-ignition temperature	N/Av.
pH	N/Av.	Sensibility to electrostatic charges	No
Melting point	N/Av.	Sensibility to sparks and/or friction	No
Freezing point	N/Av.	Vapour density	N/Av. (Air = 1)
Boiling point	N/Av.	Relative density	0.95 to 1.05 kg/L @ 25 °C (77 °F) (Water = 1)
Solubility	Insoluble in water (<2.5%).	Partition coefficient n-octanol/water	N/Av.
Evaporation rate	< Butyl Acetate	Decomposition temperature	N/Av.
Vapour pressure	<0.008kPa (0.1 mm Hg) @ 20 °C (68 °F)	Viscosity	N/Av.
Percent Volatile	N/Av.	Molecular mass	N/Av.
N/Av.: Not Available N/Av.: Not Applicable Und.: Undetermined N/E: Not Established			

10. Stability and reactivity

Reactivity	No information available for this product.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	A dangerous reaction will not occur.
Conditions to avoid	Avoid contact with incompatible materials.
Incompatible materials	Strong bases, strong acids, strong oxidizing agents (e.g. chlorine, fluorine, nitric acid, perchloric acid, peroxides, nitrates, chlorates, chromates, permanganates and

perchlorates).

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information


Numerical measures of toxicity	Distillates (petroleum), solvent-refined heavy paraffinic Calcium carbonate Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts Sulfonic acids, petroleum, calcium salts Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene Calcium dodecylbenzenesulfonate	Ingestion >5000 mg/kg Rat LD50 Inhalation >5 mg/l/4h Rat LC50 Skin >5000 mg/kg Rabbit LD50 Ingestion 6450 mg/kg Rat LD50 Inhalation >3 mg/l/4h Rat LC50 Skin >2000 mg/kg Rat LD50 Ingestion >16000 mg/kg Rat LD50 Inhalation >1.9 mg/kg Rat LC50 Skin >5000 mg/kg Rabbit LD50 Ingestion >5000 mg/kg Rat LD50 Skin >2000 mg/kg Rabbit LD50 Ingestion >5000 mg/kg Rat LD50 Inhalation >1.9 mg/kg Rat LC50 Skin >5000 mg/kg Rabbit LD50 Ingestion >5000 mg/kg Rat LD50 Skin >2000 mg/kg Rabbit LD50 Ingestion 1300 mg/kg Rat LD50 Skin >2000 mg/kg Rabbit LD50
Likely routes of exposure	Skin, eyes, inhalation, ingestion.	
Delayed, immediate and chronic effects	Eye contact Skin contact Inhalation Ingestion Respiratory or skin sensitization IARC/NTP Classification Carcinogenicity Mutagenicity Reproductive toxicity	May cause redness and irritation to eyes. Eye Irritation, Rabbit: Calcium dodecylbenzenesulfonate (CAS no 26264-06-2) is severely irritating (OEDC 405). Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (CAS no 70024-69-0) is irritating. Sulfonic acids, petroleum, calcium salts (CAS no 61789-86-4) are irritating. May cause redness and slight irritation of the skin. Skin Irritation, Rabbit : Calcium dodecylbenzenesulfonate (CAS no 26264-06-2) is moderately irritating. Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (CAS no 70024-69-0) is irritating. Sulfonic acids, petroleum, calcium salts (CAS no 61789-86-4) are irritating. Generally speaking, working cleanly and following basic precautionary measures will greatly minimize the potential for harmful exposure to this product under normal use conditions. Low degree of acute toxicity. May cause gastrointestinal irritation with nausea and vomiting. Benzenesulfonic acid, alkyl derivatives, and sulfonic acids, petroleum are skin sensitizers based on the Beuhler test (guinea pig, OECD Guideline 406). Sulfonic acids, petroleum, calcium salts (CAS no 61789-86-4) have shown equivocal results in human skin sensitization patch test studies. This product is not a respiratory sensitizer. No ingredients listed. Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA. Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects. Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.

	<p>Specific target organ toxicity - single exposure No target organ is listed.</p> <p>Specific target organ toxicity - repeated exposure No target organ is listed.</p>
Interactive effects	No information available.
Other information	The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimate (ATE) by inhalation (aerosol/mist) of the mixture was calculated to be greater than 5 mg/L/4h. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.

12. Ecological information

Ecological toxicity	<p>Fish - Pimephales promelas [static] LC50 >100 mg/L; 96h (CAS no 64741-88-4)</p> <p>Fish - Oncorhynchus mykiss - Rainbow trout LC50 >100 mg/L; 96h (CAS no 61789-86-4)</p> <p>Fish, various LC50 >100 mg/L ; 96h (CAS no 70024-69-0)</p> <p>Fish, various LC50 20 mg/L; 96h (CAS no 26264-06-2)</p> <p>Aquatic Invertebrate - Daphnia magna EC50 2.2 mg/L; 48h (CAS no 26264-06-2)</p> <p>Fish - Danio rerio LC50 >100 mg/L ; 96h (CAS no 68411-46-1) OECD 203</p> <p>Aquatic Invertebrate - Daphnia magna (static) EC50 >100 mg/L ; 48h (CAS no 68411-46-1) OECD 202</p>
Persistence	Contains an or many ingredients that may be persistent in aquatic environment.
Degradability	Lubricant base oil attained between 2 to 4% degradation within 28 days and therefore, cannot be considered as ready biodegradable under the conditions of OECD Guideline 301B. The ingredients of calcium alkyl sulphonates salts are not readily biodegradable (<10% in 28 days). Calcium dodecylbenzenesulfonate (CAS no 26264-06-2) should be biodegradable (>70% in 28 days). Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (CAS no 68411-46-1) is not readily biodegradable (1% degradation in 28 days) (OECD Guideline 301B).
Bioaccumulative potential	No information available for this product. Lubricant base oil has Log Kow values ranging from about 5 to 25 and Bioconcentration Factor (BCF) between 0.9 and 750000 for the oil mixture. These values indicate a high degree of bioaccumulation. The potential of calcium alkyl sulfonates salts to bioaccumulate is low. Log Kow >6 and Potential for bioconcentration (BCF) of 71 (estimated) for Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (CAS no 70024-69-0). Potential for bioconcentration (BCF) of 71 (estimated) for Sulfonic acids, petroleum, calcium salts (CAS no 61789-86-4). Log Kow of 6.7 (estimated) for Calcium dodecylbenzenesulfonate (CAS no 26264-06-2). Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (CAS no 68411-46-1) has no toxic effects on aquatic organisms. However its Bioconcentration Factor (BCF) is calculated as 1730 and its partition coefficient log Kow >5, which indicate a high degree of bioaccumulation.
Mobility in soil	This product is stable in water, and can be mechanically separated from water. Lubricant base oil is likely to have high Koc values (>5000), indicating a high degree of sorption to the organic matter in soils. This value suggests that some components will display low mobility and some will be essentially immobile in soil.
Other adverse effects	This chemical does not deplete the ozone layer.

13. Disposal considerations

<p>Container</p> 	Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Non-use oils or waste oils can be reprocessed (recycle) where there is a recovery program. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.
--	---

Calcium carbonate	471-34-1	X							
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	X							
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	X							
Calcium dodecylbenzenesulfonate	26264-06-2	X	X					X	
Sulfonic acids, petroleum, calcium salts	61789-86-4	X							
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0	X							

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

California Proposition 65

No ingredients listed.

Other regulations				
	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>HMIS</p> <table border="1"> <tr><td><input type="checkbox"/> Health</td></tr> <tr><td><input type="checkbox"/> Flammability</td></tr> <tr><td><input type="checkbox"/> Reactivity</td></tr> <tr><td><input type="checkbox"/> Protective Equipment</td></tr> </table> </div> <div style="text-align: center;"> <p>NFPA</p>  </div> </div>	<input type="checkbox"/> Health	<input type="checkbox"/> Flammability	<input type="checkbox"/> Reactivity
<input type="checkbox"/> Health				
<input type="checkbox"/> Flammability				
<input type="checkbox"/> Reactivity				
<input type="checkbox"/> Protective Equipment				

16. Other information

Date (YYYY-MM-DD)	AEROCHEM Inc. 2020-03-03
Version	03
Other information	<p>REFERENCES:</p> <ul style="list-style-type: none"> - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, https://haz-map.com/ - Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), http://www.reptox.csst.qc.ca - NIOSH Pocket Guide to Chemical Hazards, Centers for Disease Control and Prevention, NIOSH Publications, 2007, http://www.cdc.gov/niosh/npg/npg.html - Database, Institut National de Recherche et de Sécurité, http://www.inrs.fr/accueil/produits/bdd.html <p>DATE OF FIRST VERSION OF SDS: 2016-01-07.</p> <p>CHANGES MADE IN THE VERSION 02: sections 2 and 3.</p> <p>DATE OF SECOND VERSION OF SDS: 2019-07-31.</p> <p>CHANGES MADE IN THE VERSION 03: section 1.</p>

ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association
HMIS: Hazardous Materials Identification System
NFPA: National Fire Protection Association
OSHA: Occupational Safety and Health Administration (USA)
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
RSST: Règlement sur la santé et la sécurité du travail (Québec)
GHS: Globally Harmonized System
IARC: International Agency for Research on Cancer
IDLH: Immediately Dangerous to Life or Health
STEL: Short Term Exposure Limit (15 min)
TWA: Time Weighted Averages
WHMIS: Workplace Hazardous Materials Information System

TM/MD

Powered by



A global vision of prevention

To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

