



Safety Data Sheet

SYNTHETIC GREASE PTF EP-2

1. Identification

Product identifier	PTF EP-2
Product code	3205-109-2
Other means of identification	
Recommended use of the chemical and restrictions on use	Industrial quality grease for high temperature.
Manufacturer	PRODUITS ADD-LUB 1013 DES TILLEULS MARIEVILLE, Québec Canada J3M 1S4 Tél. (450) 460-0568 Télec.(450) 708-0636 couriel addlub@hotmail.com http://add-lub.com
Emergency phone number	Canutec: 613-996-6666 Quebec Antipoison Center: 1-800-463-5060

2. Hazard identification

Summary	Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated inhalation of mist or vapor. 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.
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WHMIS 2015/GHS/OSHA HCS 2012



Skin irritation (Category 2)
Eye irritation (Category 2)
Skin sensitizer (Category 1)

WARNING

H319: Causes serious eye irritation
H315: Causes skin irritation
H317: May cause an allergic skin reaction
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P261: Avoid breathing mist, vapours 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.

3. Composition/information on ingredients

Common name	CAS	Weight % content
Sulfonic acids, petroleum, calcium salts	61789-86-4	1 - 5 %
Calcium dodecylbenzenesulfonate	26264-06-2	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 a problem develops or persists, seek medical attention.
Skin contact	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
Eye contact	Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
Ingestion	DO NOT INDUCE VOMITING! If victim is conscious wash out mouth with plenty of water. Never give anything by mouth if victim is unconscious or convulsing. If spontaneous vomiting occurs, keep head below hip level to prevent aspiration into the lungs. Seek medical attention or contact a Poison Centre immediately.
Other	No information available.
Symptoms	May cause irritation to skin and eyes. May cause an allergic reaction of the skin.
Notes to the physician	No information available.

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.
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. 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. Absorb with inert material (soil, sand, vermiculite) or wipe up or scrape up and place in an appropriate waste disposal container clearly identified. Dispose via a licensed waste disposal contractor.
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7. Handling and storage

Precautions for safe handling	Use in well ventilated area. Avoid contact with skin, eyes and clothing. Avoid prolonged or repeated breathing of vapours or mists. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet. Avoid contamination with another chemical product. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
Conditions for safe storage, including any incompatibilities	Store tightly close and in properly labelled container. Store away from incompatible materials (see section 10). Keep away from direct sunlight and heat.
Storage temperature	5 to 45°C (41 to 113°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	No IDLH value is reported.			
Mixture	TWA (8h)	Mist	5 mg/m ³	ACGIH , RSST
Appropriate engineering controls	Provide sufficient mechanical ventilation (general and/or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.			
Individual protection measures				
Eye	Wear safety glasses. If there is a risk of contact with eyes, wear chemical splash goggles.			
Hands	If risk of contact with the liquid, use gloves nitrile or neoprene. Disposable nitrile gloves can also be used, but discard after single use. When handling hot material, use heat resistant gloves. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. Gloves must only be worn on clean hands. 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.			
Respiratory	A respirator is not required in a well-ventilated area. 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.			
 Safety glasses Nitrile gloves				

9. Physical and chemical properties

Physical state	Semi-solid (Grease)	Flammability	Non-flammable
Colour	Brown	Flammability limits	N/Av.
Odour	Mild hydrocarbon-like	Flash point	>180 °C (356 °F) Open Cup
Odour threshold	N/Av.	Auto-ignition temperature	N/Av.
pH	N/Av.	Sensibility to electrostatic charges	N/Av.
Melting point	N/Av.	Sensibility to sparks and/or friction	N/Av.
Freezing point	N/Av.	Vapour density	0.95 to 1.05 (Air = 1)
Boiling point	N/Av.	Relative density	N/Av. (Water = 1)
Solubility	Soluble in water.	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	>22 cSt @ 40 °C (104 °F)
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 known dangerous reactions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	Hazardous polymerization will not occur.
Conditions to avoid	Avoid contact with incompatible materials.
Incompatible materials	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	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	Ingestion >5000 mg/kg Rat LD50 Skin >2000 mg/kg Rabbit LD50
	Sulfonic acids, petroleum, calcium salts	Ingestion >5000 mg/kg Rat LD50 Inhalation >1.9 mg/kg Rat LC50 Skin >5000 mg/kg Rabbit LD50
	Calcium dodecylbenzenesulfonate	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	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.
	Skin contact	May cause dry skin and irritation. 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.
	Inhalation	No adverse effects expected under normal conditions of use. Inhalation of vapors formed at high temperatures can cause nose, throat and respiratory tract irritation.
	Ingestion	May cause diarrhea.
	Respiratory or skin sensitization	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.
	IARC/NTP Classification	No ingredients listed.
	Carcinogenicity	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.
	Mutagenicity	This material is not known to cause mutagenic effect.
Reproductive toxicity	This material is not known to cause effects on reproduction.	
Specific target organ toxicity - single exposure	No target organ is listed.	
Specific target organ toxicity - repeated exposure	No target organ is listed.	
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 estimates (ATE) by inhalation of the mixture were calculated to be greater than 20 mg/L/4h for vapours and to be greater than 5 mg/L/4h for the aerosols and mists. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.	

12. Ecological information

Ecological toxicity	<table> <tr> <td>Fish - Oncorhynchus mykiss - Rainbow trout</td> <td>LC50 >100 mg/L; 96h (CAS no 61789-86-4)</td> </tr> <tr> <td>Aquatic Invertebrate - Crustaceans, Daphnia Magna</td> <td>EC50 >100 mg/L; 48h (CAS no 61789-86-4)</td> </tr> <tr> <td>Fish, various</td> <td>LC50 >100 mg/L ; 96h (CAS no 70024-69-0)</td> </tr> <tr> <td>Fish, various</td> <td>LC50 20 mg/L; 96h (CAS no 26264-06-2)</td> </tr> <tr> <td>Aquatic Invertebrate - Daphnia magna</td> <td>EC50 2.2 mg/L; 48h (CAS no 26264-06-2)</td> </tr> </table>	Fish - Oncorhynchus mykiss - Rainbow trout	LC50 >100 mg/L; 96h (CAS no 61789-86-4)	Aquatic Invertebrate - Crustaceans, Daphnia Magna	EC50 >100 mg/L; 48h (CAS no 61789-86-4)	Fish, various	LC50 >100 mg/L ; 96h (CAS no 70024-69-0)	Fish, various	LC50 20 mg/L; 96h (CAS no 26264-06-2)	Aquatic Invertebrate - Daphnia magna	EC50 2.2 mg/L; 48h (CAS no 26264-06-2)
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Aquatic Invertebrate - Daphnia magna	EC50 2.2 mg/L; 48h (CAS no 26264-06-2)										
Persistence	The product is a mixture of heavy hydrocarbon in which some ingredients will be persistent in the environment.										
Degradability	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).										
Bioaccumulative potential	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).										
Mobility in soil	This product is stable in water, and can be mechanically separated from water. The product is a hydrocarbon mixture of which some ingredients can evaporate into the air while others present a medium to										

	low mobility in soil.
Other adverse effects	This chemical does not deplete the ozone layer.

13. Disposal considerations

	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.
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14. Transport information

UN Number	UN N/A
UN Proper Shipping Name	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
Environmental hazards	This material is not listed as a marine pollutant.
Special precautions for user	No information available for this product.
TDG - Transportation of Dangerous Goods (Canada)	
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Emergency response guidebook 2016	
IMO/IMDG - International Maritime Transport	
Classification	Not regulated
IATA - International Air Transport Association	
Classification	Not regulated
These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.	

15. Regulatory information

CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Sulfonic acids, petroleum, calcium salts	61789-86-4		X		
Calcium dodecylbenzenesulfonate	26264-06-2		X		
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0		X		

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Sulfonic acids, petroleum, calcium salts	61789-86-4	X								
Calcium dodecylbenzenesulfonate	26264-06-2	X	X						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; align-items: center;"> <div style="text-align: center;"> <p>HMIS</p> </div> <div style="text-align: center;"> <p>NFPA</p> </div> </div>

16. Other information

Date (YYYY-MM-DD)	PRODUITS ADD-LUB LTEE. 2019-04-25
Version	02
Other information	<p>REFERENCES:</p> <ul style="list-style-type: none"> - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, http://hazmap.nlm.nih.gov/index.php - 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 - TOXNET Databases, Toxicology Data Network, NIH U.S. National Library of Medicine, http://toxnet.nlm.nih.gov/ - High Production Volume (HPV) Chemical Challenge Program, U.S. EPA, http://www.epa.gov/hpv/ <p>DATE OF FIRST VERSION OF SDS: 2015-07-02.</p> <p>CHANGES MADE IN THE VERSION 02: sections 2, 3, 11 and 15.</p> <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</p>

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

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