

SAFETY DATA SHEET

Waterproof Grease



Section 1. Identification

Product identifier : Waterproof Grease
Product code : 301293150002
Other means of identification : Not available.
Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses	
Industrial applications: grease, Lubricating agent	
Uses advised against	Reason
None known.	

Supplier's details : Calumet Branded Products, LLC
2780 Waterfront Pkwy E. Drive Suite 200
Indianapolis, IN 46214
USA
Technical Services:317-328-5660

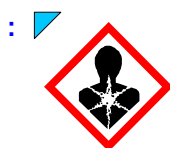
24hr. CHEMTREC : 24 hr. CHEMTREC 1-800-424-9300 / International 1-703-527-3887
1-800-424-9300 /
International 1-703-527-3887

Section 2. Hazard identification


Classification of the substance or mixture :  TOXIC TO REPRODUCTION - Category 2

GHS label elements


Hazard pictograms




Signal word :  Warning


Hazard statements :  Suspected of damaging fertility or the unborn child.

Precautionary statements

Prevention :  Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection.

Response :  If exposed or concerned: Get medical advice or attention.

Storage :  Store locked up.

Disposal :  Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 28%

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Other means of identification : Not available.

Ingredient name	Synonyms	% (w/w)	CAS number
Residual oils (petroleum), solvent-dewaxed	Baseoil - unspecified; Residual oils, petroleum, solvent, dewaxed; Residual oils, petroleum, solvent-dewaxed; Residual oils (petroleum) solvent dewaxed; OILS, PETROLEUM, RESIDUAL, SOLVENT DEWAXED; RESIDUAL OIL (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC; RESIDUAL OIL (PETROLEUM), SOLVENT-DEWAXED; OILS, RESIDUAL, SOLVENT-DEWAXED; SOLVENT-DEWAXED RESIDUAL OIL; Residual oils (petroleum), solvent-dewaxed, Baseoil - unspecified; Residual oils (petroleum), solvent dewaxed	≥10 - ≤30	64742-62-7
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Baseoil - unspecified; Distillates, petroleum, solvent dewaxed heavy paraffinic; Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic; Paraffin oil; Distillates, petroleum, solvent-dewaxed heavy paraffinic; Distillate (Pet.) solvent-dewaxed heavy paraffinic; SOLVENT REFINED PARAFFINIC MINERAL OIL; OILS, PARAFFINIC, HEAVY, SOLVENT DEWAXED; Solvent dewaxed heavy paraffinic petroleum oil; PARAFFINIC PETROLEUM DISTILLATES; Distillates (petroleum), solvent-dewaxed heavy paraffinic, Baseoil - unspecified	≥10 - ≤30	64742-65-0
Distillates (petroleum), hydrotreated heavy paraffinic	Baseoil - unspecified; Distillates, petroleum, hydrotreated heavy paraffinic; Mineral oil, petroleum distillates, hydrotreated heavy paraffinic; Distillates (petroleum), hydro-treated heavy paraffinic; Paraffin oil; HYDROTREATED HEAVY PARAFFINIC DISTILLATE; DISTILLATES (PETROLEUM) HYDROFVLD; Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil - unspecified	≥10 - ≤30	64742-54-7
Distillates (petroleum), hydrotreated heavy naphthenic	Baseoil - unspecified; Distillates, petroleum, hydrotreated heavy naphthenic; Hydrotreated heavy naphthenic distillate, solvent extract, petroleum; Mineral oil, petroleum distillates, hydrotreated heavy naphthenic; Mineral oil, petroleum distillates, hydrotreated (severe)	≥10 - ≤30	64742-52-5

Section 3. Composition/information on ingredients

	heavy naphthenic; Distillates (petroleum), hydro-treated heavy naphthenic; Hydrotreated heavy naphthenic distillate solvent extract (petroleum); OILS, MINERAL, HEAVY NAPHTHENIC, HYDROTREATED; OILS, NAPHTHENIC, HYDROGENATED; SEVERELY SOLVENT REFINED HEAVY PARAFFINIC DISTILLATES; HYDROTREATED LIGHT PETROLEUM DISTILLATE		
Fatty acids, tallow, hydrogenated, reaction products with aluminum isopropoxide and benzoic acid	Fatty acids, tallow, hydrogenated, reaction products with aluminium isopropoxide and benzoic acid; Fatty acids, tallow, hydrogenated, aluminium hydroxy, benzoate complex salt; Fatty acids, tallow, hydrogenated reaction products with aluminum isopropoxide and benzoic acid	$\geq 10 - \leq 30$	68201-44-5
Barium, acetate tallow fatty acids complexes	Tallow fatty acid, acetic acid, barium salts; Barium acetate, tallow fatty acids complexes; Barium, compounds, acetate tallow fatty acids complexes	$\geq 5 - \leq 10$	68201-19-4
Distillates (petroleum), solvent-dewaxed light paraffinic	Baseoil - unspecified; Distillates, petroleum, solvent dewaxed light paraffinic; Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic; Solvent-dewaxed light paraffinic distillates (petroleum); Distillate (petroleum), solvent dewaxed light paraffinic distillate; Distillates, petroleum, solvent-dewaxed light paraffinic; Distillates (petroleum), solvent dewaxed light paraffinic; Distillates (petroleum), solvent-dewaxed light paraffinic, Baseoil - unspecified; Petroleum distillates, solvent dewaxed light paraffinic	$\geq 1 - \leq 5$	64742-56-9
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Diphenylamine, diisobutylene reaction products; N-Phenylbenzenamine, 2,4,4-trimethyl-1-pentene, and 2,4,4-trimethyl-2-pentene reaction products; n-phenylbenzenamine reaction products with 2,4,4-trimethylpentenes; N-Phenylbenzeneamine, 2,4,4-trimethyl-1-pentene, and 2,4,4-trimethyl-2-pentene reaction product; N-Phenylbenzenamine, 2,4,4-trimethyl-1-pentene, and 2,4,4-trimethyl-2-pentene reaction product; N-Phenylbenzenamine, reaction product with diisobutylene; Diphenylamine, diisobutylene reaction product; Diphenylamine,	$\geq 1 - \leq 5$	68411-46-1

Section 3. Composition/information on ingredients

Distillates (petroleum), solvent-refined heavy paraffinic	octylated; N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene; REACTION PRODUCT, N-PHENYL ANILINE WITH 2,4,4-TRIMETHYLPENTENE; REACTION PRODUCT, BENZENAMINE, N-PHENYL- WITH 2, 4,4-TRIMETHYLPENTENE		
	Baseoil - unspecified; Distillates, petroleum, solvent refined heavy paraffinic; Solvent-refined heavy paraffinic distillate; Mineral oil, petroleum distillates, solvent-refined heavy paraffinic; Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic; Paraffin oil; DISTILLATES, PETROLEUM, solvent-refined heavy paraffinic; Base oil, lubricant base stock; Base oil, bright stock, lubricant; SOLVENT-REFINED HEAVY PARAFFINIC PETROLEUM; SOLVENT REFINED HEAVY PARAFFINIC DISTILLATES	≥1 - ≤5	64741-88-4
Sulfonic acids, petroleum, sodium salts	Petroleum sulfonate, sodium salt; Sulfonated petroleum, sodium salt; Sulphonic acids, petroleum, sodium salts; sodium petroleum sulfonate; Petroleum sulfonic acid, sodium salt; Sulfonic acids, petroleum, sodium salt; Petroleum sulfonic acid, monosodium salt; Oil soluble petroleum sulfonates, sodium salts; Oil soluble petroleum sulfonate, sodium salt; Mineral oil sulfonic acids, sodium salts; Petroleum sulfonates, sodium salts	≥1 - ≤5	68608-26-4
barium salts	Octadecanoic acid, barium salt (2:1); Octadecanoic acid, barium salt; Barium stearate; barium distearate, pure; barium distearate, crude; Stearic acid, barium salt; Barium bisoctadecanoate; Stearic acid barium salt; Aliphatic monocarboxylic acid (C6-28) light metal salt (Na,K,Li,Ba,Mg,Ca); Octadecanoic acid barium salt; Barium bis(stearate)	≥1 - ≤5	6865-35-6

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Residual oils (petroleum), solvent-dewaxed	CA Alberta Provincial (Canada, 6/2018). [Oil] 8 hrs OEL: 5 mg/m ³ 8 hours. Form: Mist 15 min OEL: 10 mg/m ³ 15 minutes. Form: Mist CA Quebec Provincial (Canada, 6/2021). [Mineral oil (mist)] TWAEV: 5 mg/m ³ 8 hours. Form: mist STEV: 10 mg/m ³ 15 minutes. Form: mist
Distillates (petroleum), solvent-dewaxed heavy paraffinic	CA Alberta Provincial (Canada, 6/2018). [Oil] 8 hrs OEL: 5 mg/m ³ 8 hours. Form: Mist 15 min OEL: 10 mg/m ³ 15 minutes. Form: Mist CA Quebec Provincial (Canada, 6/2021). [Mineral oil (mist)] TWAEV: 5 mg/m ³ 8 hours. Form: mist STEV: 10 mg/m ³ 15 minutes. Form: mist
Distillates (petroleum), hydrotreated heavy paraffinic	CA Alberta Provincial (Canada, 6/2018). [Oil] 8 hrs OEL: 5 mg/m ³ 8 hours. Form: Mist 15 min OEL: 10 mg/m ³ 15 minutes. Form: Mist CA Quebec Provincial (Canada, 6/2021). [Mineral oil (mist)] TWAEV: 5 mg/m ³ 8 hours. Form: mist STEV: 10 mg/m ³ 15 minutes. Form: mist
Distillates (petroleum), hydrotreated heavy naphthenic	CA Alberta Provincial (Canada, 6/2018). [Oil] 8 hrs OEL: 5 mg/m ³ 8 hours. Form: Mist 15 min OEL: 10 mg/m ³ 15 minutes. Form: Mist CA Quebec Provincial (Canada, 6/2021). [Mineral oil (mist)] TWAEV: 5 mg/m ³ 8 hours. Form: mist STEV: 10 mg/m ³ 15 minutes. Form: mist
Fatty acids, tallow, hydrogenated, reaction products with aluminum isopropoxide and benzoic acid	CA Alberta Provincial (Canada, 6/2018). [Aluminium Soluble salts] 8 hrs OEL: 2 mg/m ³ , (as Al) 8 hours. CA Quebec Provincial (Canada, 6/2021). [Aluminum - Soluble salts] TWAEV: 2 mg/m ³ , (as Al) 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). [Aluminum soluble salts and alkyls]

Section 8. Exposure controls/personal protection

Distillates (petroleum), solvent-dewaxed light paraffinic	STEL: 4 mg/m ³ , (measured as AI) 15 minutes. TWA: 2 mg/m ³ , (measured as AI) 8 hours. CA Alberta Provincial (Canada, 6/2018). [Oil] 8 hrs OEL: 5 mg/m ³ 8 hours. Form: Mist 15 min OEL: 10 mg/m ³ 15 minutes. Form: Mist CA Quebec Provincial (Canada, 6/2021). [Mineral oil (mist)] TWAEL: 5 mg/m ³ 8 hours. Form: mist STEV: 10 mg/m ³ 15 minutes. Form: mist
Distillates (petroleum), solvent-refined heavy paraffinic	CA Alberta Provincial (Canada, 6/2018). [Oil] 8 hrs OEL: 5 mg/m ³ 8 hours. Form: Mist 15 min OEL: 10 mg/m ³ 15 minutes. Form: Mist CA Quebec Provincial (Canada, 6/2021). [Mineral oil (mist)] TWAEL: 5 mg/m ³ 8 hours. Form: mist STEV: 10 mg/m ³ 15 minutes. Form: mist

Biological exposure indices

None known.

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Liquid. [Viscous liquid. Paste.]
Color	: Green.
Odor	: Not available.
Odor threshold	: Not available.
pH	: Not available.
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: 360°C (680°F)
Flash point	: Closed cup: 214°C (417.2°F) [Pensky-Martens]
Evaporation rate	: Not available.
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Not available.
Vapor pressure	:

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Residual oils (petroleum), solvent-dewaxed	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), hydrotreated heavy paraffinic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), hydrotreated heavy naphthenic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), solvent-dewaxed light paraffinic	<0.08	<0.011	ASTM D 5191			
Distillates (petroleum), solvent-refined heavy paraffinic	<0.08	<0.011	ASTM D 5191			
naphthalene	0.054	0.0072	OECD 104			
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	<0.01	<0.0013	EU A.4			

Relative vapor density : Not available.

Relative density : 0.888

Solubility(ies) :	Media	Result
	cold water	Not soluble
	hot water	Not soluble

Solubility in water : Not available.

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : 260°C (500°F)

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): Not applicable.

Section 9. Physical and chemical properties and safety characteristics

Flow time (ISO 2431) : Not available.

Particle characteristics

Median particle size :  Not applicable.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.


Incompatible materials : No specific data.

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

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
 Residual oils (petroleum), solvent-dewaxed	LC50 Inhalation Dusts and mists	Rat	>5.53 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), solvent-dewaxed heavy paraffinic	LC50 Inhalation Dusts and mists	Rat	>5.53 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), hydrotreated heavy paraffinic	LC50 Inhalation Dusts and mists	Rat	5.7 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), hydrotreated heavy naphthenic	LC50 Inhalation Dusts and mists	Rat	5.7 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Distillates (petroleum), solvent-dewaxed light paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rat	>2000 mg/kg	-
Distillates (petroleum), solvent-refined heavy paraffinic	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rat	>2000 mg/kg	-
Sulfonic acids, petroleum,	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rabbit	>2000 mg/kg	-

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sodium salts	LD50 Oral	Rat	>5 g/kg	-
barium salts	LD50 Oral	Rat	2506 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Sulfonic acids, petroleum, sodium salts	Eyes - Irritant	Rabbit	-	-	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	IARC	NTP	ACGIH
Residual oils (petroleum), solvent-dewaxed	-	-	A4
Distillates (petroleum), solvent-dewaxed heavy paraffinic	-	-	A4
Distillates (petroleum), hydrotreated heavy paraffinic	-	-	A4
Distillates (petroleum), hydrotreated heavy naphthenic	-	-	A4
Distillates (petroleum), solvent-dewaxed light paraffinic	-	-	A4
Distillates (petroleum), solvent-refined heavy paraffinic	-	-	A4

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Name	Result
Distillates (petroleum), solvent-dewaxed light paraffinic	ASPIRATION HAZARD - Category 1
Distillates (petroleum), solvent-refined heavy paraffinic	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : Adverse symptoms may include the following:
 reduced fetal weight
 increase in fetal deaths
 skeletal malformations

Section 11. Toxicological information

- Skin contact** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Waterproof Grease	7500.8	2500.3	N/A	957.1	26.1
Residual oils (petroleum), solvent-dewaxed	N/A	2500	N/A	N/A	N/A
Distillates (petroleum), solvent-dewaxed heavy paraffinic	N/A	2500	N/A	N/A	N/A
Distillates (petroleum), hydrotreated heavy paraffinic	N/A	2500	N/A	N/A	5.7
Distillates (petroleum), hydrotreated heavy naphthenic	N/A	2500	N/A	N/A	5.7
Barium, acetate tallow fatty acids complexes	500	N/A	N/A	N/A	1.5
Distillates (petroleum), solvent-dewaxed light paraffinic	N/A	2500	N/A	N/A	N/A
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	N/A	2500	N/A	N/A	N/A
Distillates (petroleum), solvent-refined heavy paraffinic	N/A	2500	N/A	N/A	N/A
Sulfonic acids, petroleum, sodium salts	N/A	2500	N/A	N/A	N/A
barium salts	500	N/A	N/A	11	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Residual oils (petroleum), solvent-dewaxed	Acute EC50 >100 mg/l	Algae	72 hours
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Acute EC50 >100 mg/l Acute LC50 >100 mg/l Acute EC50 >100 mg/l	Crustaceans Fish Algae	48 hours 96 hours 72 hours
Distillates (petroleum), hydrotreated heavy paraffinic	Acute EC50 >100 mg/l Acute LC50 >100 mg/l Chronic NOEL >1 mg/l Acute EC50 >100 mg/l	Daphnia Fish Daphnia Daphnia	48 hours 96 hours 21 days 48 hours
Distillates (petroleum), hydrotreated heavy naphthenic	Acute IC50 >100 mg/l Acute LC50 >100 mg/l Acute EC50 >100 mg/l	Algae Fish Algae	72 hours 96 hours 72 hours
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Acute EC50 >100 mg/l Acute LC50 >100 mg/l Acute EC50 >100 mg/l	Crustaceans Fish Algae	48 hours 96 hours 72 hours
Distillates (petroleum), solvent-refined heavy paraffinic	Acute EC50 51 mg/l Acute LC50 >71 mg/l Acute EC50 >100 mg/l	Daphnia Fish Algae	48 hours 96 hours 72 hours
	Acute EC50 >100 mg/l Acute LC50 >100 mg/l	Daphnia Fish	48 hours 96 hours

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Residual oils (petroleum), solvent-dewaxed	-	-	Inherent
Distillates (petroleum), hydrotreated heavy paraffinic	-	-	Not readily
Distillates (petroleum), hydrotreated heavy naphthenic	-	-	Inherent
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	-	-	Not readily
Distillates (petroleum), solvent-refined heavy paraffinic	-	-	Inherent

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Residual oils (petroleum), solvent-dewaxed	>6	-	high
Distillates (petroleum), solvent-dewaxed heavy paraffinic	2 to 6	-	high
Distillates (petroleum), hydrotreated heavy paraffinic	>6	-	high
Benzenamine, N-phenyl-,	5.1	1730	high

Section 12. Ecological information

reaction products with 2,4,4-trimethylpentene Distillates (petroleum), solvent-refined heavy paraffinic	3.9 to 6	-	high
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Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

Canadian lists

Canadian NPRI : None of the components are listed.

CEPA Toxic substances : None of the components are listed.

Inventory list

Australia : All components are listed or exempted.

Canada : At least one component is not listed in DSL but all such components are listed in NDSL.

China : All components are listed or exempted.

Eurasian Economic Union : **Russian Federation inventory:** Not determined.

New Zealand : All components are listed or exempted.



Philippines : Not determined.

Republic of Korea : All components are listed or exempted.

Taiwan : Not determined.

Thailand : Not determined.

Section 15. Regulatory information

Turkey	: Not determined.
United States	:  All components are active or exempted.
Viet Nam	:  All components are listed or exempted.


Section 16. Other information

History

Date of issue/Date of revision	: 11/03/2022
Date of previous issue	: 04/05/2021
Version	: 3

Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals HPR = Hazardous Products Regulations IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations
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Procedure used to derive the classification

Classification	Justification
 TOXIC TO REPRODUCTION - Category 2	Calculation method

 Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, 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.