



# XCELTHERM® CLX

## Safety Data Sheet

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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## SECTION 1: Identification

### 1.1. Identification

Trade name XCELTHERM® CLX

### 1.2. Recommended use and restrictions on use

No additional information available

### 1.3. Supplier

#### Manufacturer

Radco Industries Inc.

CAGE Code 6ZS16

700 Kingsland Drive

Batavia, Illinois 60510

United States

T (630) 232-7966

[www.radcoind.com](http://www.radcoind.com)

### 1.4. Emergency telephone number

Emergency number: For Chemical Emergency Call CHEMTREC 24hr/day 7days/week  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-741-5970  
(collect calls accepted)

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## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

Not classified

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labeling

Precautionary statements (GHS US): P302+P352 - If on skin: Wash with plenty of soap and water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 - Dispose of contents/container to an approved waste disposal plant.

### 2.3. Other hazards which do not result in classification

No additional information available

**2.4. Unknown acute toxicity (GHS US)**

Not applicable

**SECTION 3: Composition/Information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

Name	Product identifier	%	GHS US classification
White mineral oil (petroleum) (Base Oil)	CAS-No.: 8042-47-5	> 70	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated heavy paraffinic (Base Oil)	CAS-No.: 64742-54-7	1 – 15	Not classified
Proprietary ingredient* (Additive)	CAS-No.: Trade Secret	Trade Secret	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 1, H370

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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

**SECTION 4: First-aid measures****4.1. Description of first aid measures**

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact: Wash skin with plenty of water.  
First-aid measures after eye contact: Rinse eyes with water as a precaution.  
First-aid measures after ingestion: Call a poison center/doctor/physician if you feel unwell.

**4.2. Most important symptoms and effects (acute and delayed)**

No additional information available

**4.3. Immediate medical attention and special treatment, if necessary**

Treat symptomatically.

**SECTION 5: Fire-fighting measures****5.1. Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

**5.2. Specific hazards arising from the chemical**

Hazardous decomposition products in case of fire: Toxic fumes may be released.

**5.3. Special protective equipment and precautions for fire-fighters**

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Emergency procedures: Ventilate spillage area.

**6.1.2. For emergency responders**

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**6.2. Environmental precautions**

Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

**6.4. Reference to other sections**

For further information refer to section 13.

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**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions: Store in a well-ventilated place. Keep cool.

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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

XCELTHERM® CLX	
USA - ACGIH - Occupational Exposure Limits	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
ACGIH OEL TWA	5 mg/m <sup>3</sup> (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2022
White mineral oil (petroleum) (8042-47-5)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
ACGIH OEL TWA	5 mg/m <sup>3</sup> (inhalable)

Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2022

**Proprietary ingredient**

No additional information available

**Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)****USA - ACGIH - Occupational Exposure Limits**

ACGIH OEL TWA	5 mg/m <sup>3</sup> 8 Hours. Form: inhalable
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**USA - OSHA - Occupational Exposure Limits**

OSHA PEL TWA [1]	5 mg/m <sup>3</sup> 8 Hours
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**USA - NIOSH - Occupational Exposure Limits**

NIOSH REL TWA	5 mg/m <sup>3</sup> 15 Hours. Form: mist
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NIOSH REL STEL	10 mg/m <sup>3</sup> 15 minutes. Form: mist
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**8.2. Appropriate engineering controls**

Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment.

**8.3. Individual protection measures/Personal protective equipment****Hand protection:**

Protective gloves

**Eye protection:**

Safety glasses

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

**Personal protective equipment symbol(s):****SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
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Appearance:	Liquid.
Color:	amber
Odor:	slight
Odor threshold:	No data available
pH:	No data available
Melting point:	Not applicable
Freezing point:	-33 °C (ASTM D97 Pour point)
Boiling point:	No data available
Flash point:	≥ 212 °C Cleveland Open Cup Method
Relative evaporation rate (butyl acetate=1):	No data available
Flammability:	Not applicable.
Vapor pressure:	No data available
Relative vapor density at 20°C:	No data available
Relative density:	0.86 – 0.92 at 25°C (Water = 1)
Solubility:	No data available
Partition coefficient n-octanol/water (Log Pow):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	20 – 40 mm <sup>2</sup> /s at 40°C (104°F)
Viscosity, dynamic:	No data available
Explosion limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

## 9.2. Other information

No additional information available

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid**

None under recommended storage and handling conditions (see section 7).

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

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

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified
Skin corrosion/irritation:	Not classified.
Carcinogenicity:	Not classified
Aspiration hazard:	Not classified
Viscosity, kinematic:	20 – 40 mm <sup>2</sup> /s at 40°C (104°F)
STOT-single exposure:	Not classified.
STOT-repeated exposure:	Not classified
Reproductive toxicity:	Not classified

**White mineral oil (petroleum) (8042-47-5)**

LD50 oral rat:	> 5000 mg/kg body weight (OECD 401 method)
LD50 dermal rabbit:	> 2000 mg/kg body weight (OECD 402 method)
LC50 Inhalation - Rat:	> 5 mg/l (OECD 403 method)

**Proprietary ingredient**

LD50 oral rat:	> 2500 mg/kg
LD50 dermal rabbit:	> 20000 mg/kg body weight Animal: rabbit, Guideline: other:FHSLA, CFR. Title 21. para. 191.10 and Appraisal of the Safety of 'Chemicals in Foods, Drugs and Cosmetics, Association of Food and Drug Officials of the U.S.

**Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)**

LD50 oral rat:	> 5000 mg/kg body weight (OECD 401 method) (OECD 420 method)
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**White mineral oil (petroleum) (8042-47-5)**

Serious eye damage/irritation:	Not classified.
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**Proprietary ingredient**

Serious eye damage/irritation:	Not classified.
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**Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)**

Serious eye damage/irritation:	Not classified.
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<b>White mineral oil (petroleum) (8042-47-5)</b>	
Respiratory or skin sensitization:	Not classified
<b>Proprietary ingredient</b>	
Respiratory or skin sensitization:	Not classified
<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
Respiratory or skin sensitization:	Not classified
<b>White mineral oil (petroleum) (8042-47-5)</b>	
Germ cell mutagenicity:	Not classified
<b>Proprietary ingredient</b>	
Germ cell mutagenicity:	Not classified
<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
Germ cell mutagenicity:	Not classified
<b>Proprietary ingredient</b>	
NOAEL (oral,rat):	95 mg/kg body weight
STOT-single exposure:	Causes damage to organs.
<b>Proprietary ingredient</b>	
NOAEL (oral,rat,90 days):	95 – 298 mg/kg body weight (OECD 422 method)
<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
LOAEL (oral,rat,90 days):	125 mg/kg body weight (OECD 408 method)

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<b>White mineral oil (petroleum) (8042-47-5)</b>	
LC50 - Fish [1]:	> 100 mg/l (OECD 203 method)

### 12.2. Persistence and degradability

<b>White mineral oil (petroleum) (8042-47-5)</b>	
Persistence and degradability:	Not readily biodegradable in water.

### 12.3. Bioaccumulative potential

<b>White mineral oil (petroleum) (8042-47-5)</b>	
BCF - Other aquatic organisms [1]:	1216 l/kg (BCFBFAF v3.01, estimated value)

White mineral oil (petroleum) (8042-47-5)	
Partition coefficient n-octanol/water (Log Pow):	5.18
Bioaccumulative potential:	Potential for bioaccumulation ( $500 \leq BCF \leq 5000$ ).

#### 12.4. Mobility in soil

White mineral oil (petroleum) (8042-47-5)	
Surface tension:	No data available
Organic Carbon Normalized Adsorption Coefficient (Log Koc):	2.64 (Calculated value: Source PCKOCWIN v2.0)
Ecology - soil:	Low potential for adsorption in soil.

#### 12.5. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

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### SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA / ICAO / ADN / RID / ADG

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT):	Not applicable
Proper Shipping Name (TDG):	Not applicable
Proper Shipping Name (IMDG):	Not applicable
Proper Shipping Name (IATA):	Not applicable

#### 14.3. Transport hazard class(es)

##### DOT

Transport hazard class(es) (DOT): Not applicable

##### TDG

Transport hazard class(es) (TDG): Not applicable

##### IMDG

Transport hazard class(es) (IMDG): Not applicable



**IATA**

Transport hazard class(es) (IATA): Not applicable

**14.4. Packing group**

Packing group (DOT): Not applicable

Packing group (TDG): Not applicable

Packing group (IMDG): Not applicable

Packing group (IATA): Not applicable

**14.5. Environmental hazards**

Other information: No supplementary information available.

**14.6. Special precautions for user****DOT**

No data available

**TDG**

No data available

**IMDG**

No data available

**IATA**

No data available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

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**SECTION 15: Regulatory information****15.1. US Federal regulations**

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
White mineral oil (petroleum)	8042-47-5	Present	Active	
Proprietary ingredient		Present	Active	
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	Present	Active	

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**15.2. International regulations****CANADA****White mineral oil (petroleum) (8042-47-5)**

Listed on the Canadian DSL (Domestic Substances List)

**Proprietary ingredient**

Listed on the Canadian DSL (Domestic Substances List)

**Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)**

Listed on the Canadian DSL (Domestic Substances List)

**EU-Regulations**

No additional information available

**National regulations****White mineral oil (petroleum) (8042-47-5)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

**Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)**

Listed on INSQ (Mexican National Inventory of Chemical Substances)

**15.3. US State regulations****WARNING:**

This product can expose you to White mineral oil (petroleum), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**SECTION 16: Other information**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 01/30/2023

**Full text of H-phrases**

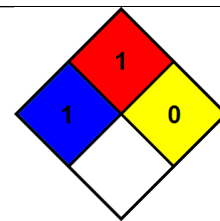
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H370	Causes damage to organs

NFPA health hazard 1 - Materials that, under emergency conditions, can cause significant irritation.

hazard

NFPA fire hazard 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity 0 - Material that in themselves are normally stable, even under fire conditions.



**Hazard Rating**

**Health** 1 Slight Hazard - Irritation or minor reversible injury possible

**Flammability** 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

**Physical** 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular process or for any particular purpose. Such information stated is to the best of Radco's knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made to its accuracy, reliability, or completeness, purchasers, users and distributors are not relying on any promise, representation, or recommendation made by Radco, and Radco does not accept liability for any loss or damage that may occur from the use of this information. Final determination of suitability of any material is the sole responsibility of the user. All material should be used with caution to guard against unknown hazards. Although certain hazards are described herein, Radco does not guarantee that these are the only hazards that exist.