



## RADCOLUBE® CLP

### SAFETY DATA SHEET

MIL-PRF-63460F, TYPE A – STANDARD CLEANER, LUBRICANT, AND PRESERVATIVE FOR WEAPONS AND WEAPONS SYSTEMS (CLP)

Issue Date: 17 February 2015

Revision Date: 3 October 2018

Revision Number: 4.0

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## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

Product Name:	RADCOLUBE® CLP	
Specifications:	MIL-PRF-63460F, TYPE A – Standard CLP	
Qualification Number:	AR-16-10	
Qualification Date:	3 October 2016	
ISO 9001:2015 Certification Number:	C2018-00035	
Military Symbol:	CLP	
NATO Code:	S-758	
National Stock Numbers (NSN):	9150-01-102-1473	0.5 oz. bottle with twist cap
	9150-01-079-6124	4 oz. bottle with twist cap
	9150-01-054-6453	1 pint bottle with trigger sprayer
	9150-01-327-9631	1 liter bottle with trigger sprayer
	9150-01-053-6688	1 gallon jug

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

This product is for use in cleaning, lubricating and short-term preservation of small and large caliber military weapons, operating in the temperature range of -51°C to + 71°C (-60°F to +160°F).

### 1.3 Details of the supplier of the safety data sheet

Headquarters and Manufacturing Facility  
Radco Industries, Inc.  
700 Kingsland Drive  
Batavia, IL 60510  
CAGE Code 6ZS16

Customer information number: 1-630-232-7966

### 1.4 Emergency Telephone Number

Advisory Office in case of poisoning: Chemtrec  
Chemtrec (North America): 1-800-424-9300

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## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

Aquatic toxicity, acute hazards	Category 3
Aquatic toxicity, chronic hazards	Category 4
Aspiration hazard	Category 1
Serious eye damage/eye irritation	Category 1
Skin corrosion/irritation	Category 2

### 2.2 Label elements

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**Hazard pictograms:** Health Hazard Corrosive**Signal word:** DANGER

Classification of mixture is in accordance with United Nations (UN) Globally Harmonized System of Classification and Labelling of Chemicals (GHS), sixth revised edition (2015), and United States Standard 29 CFR 1910 Occupational Safety and Health Standards.

**Hazard statements**

H304:	May be fatal if swallowed and enters airways.
H315:	Causes skin irritation.
H318:	Causes serious eye damage.
H413:	Harmful to aquatic life with long-lasting effects

**Precaution statements**

P101:	If medical advice is needed, have product container or label at hand.
P202:	Do not handle until all safety precautions have been read and understood.
P270:	Do not eat, drink or smoke when using this product.
P273:	Avoid release to the environment.
P280:	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P331 + P315:	IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. Get immediate medical advice/attention.
P303 + P353:	IF ON SKIN (or hair): Rinse skin with water/shower.
P304 + P340 + P342 + P315:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, get immediate medical advice/attention.
P305 + P351 + P338 + P310:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
P306 + P363:	IF ON CLOTHING: Wash contaminated clothing before reuse.
P404:	Store in a closed container.
P501:	Dispose of contents/container to in accordance with local/regional/national/international regulation.

**2.3 Other hazards****PBT and vPvB**

PBT and vPvB assessment is not available as chemical safety assessment has not been conducted.

**NFPA Hazard ID**

Health: 2  
Flammability: 1  
Reactivity: 0

**HMIS Hazard ID**

Health: 2  
Flammability: 1  
Reactivity: 0

**SECTION 3. Composition/information on ingredients****3.1 Substances**

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1-Decene, homopolymer, hydrogenated

Index number: Not available  
 CAS number: 68037-01-4  
 EC number: 500-183-1  
 REACH number: 01-2119486452-34-XXXX  
 Synonyms: 1-Decene, dimer, hydrogenated; Polyalphaolefin

Naphthalenesulfonic acid, dinonyl-, calcium salt

Index number: Not available  
 CAS number: 57855-77-3  
 EC number: 260-991-2  
 REACH number: Not available  
 Synonyms: Calcium bis(dinonylnaphthalenesulphonate); calcium sulfonate

Proprietary components

Index number: Not available  
 CAS number: Trade Secret  
 EC number: Trade Secret  
 REACH number: Not available  
 Synonyms: Trade Secret

**3.2 Mixtures**

Component	CAS Number	EC Number	%Content	Classification of Labeling	M-Factor
1-Decene, homopolymer, hydrogenated	68037-01-4	500-183-1	Trade Secret	Asp. Tox. 1 – H304	0
Naphthalenesulfonic acid, dinonyl-, calcium salt	57855-77-3	260-991-2	Trade Secret	Aquatic Acute 3 – H401 Eye Dam. 1 – H318 Skin Irrit. 2 – H315	0
Proprietary components	Trade Secret	Trade Secret	Trade Secret	Not classified	0

M-Factor determinations are in accordance with UN GHS, sixth revised edition (2015).

See SECTION 16 for full text of the toxicity categories and H-statements listed in this section.

**Indicative occupational exposure limit values**

None established.

**SECTION 4. FIRST AID MEASURES****4.1 Description of first aid measures****Eye contact**

Upon accidental eye exposure, wash the eyes promptly with water for at least 20 minutes. If wearing contact lenses, remove them if safe to do so, and continue washing. Get medical attention immediately.

**Ingestion**

If swallowed, do not induce vomiting. Rinse mouth out with water. Get medical attention immediately.

**Inhalation**

If respiratory irritation, dizziness, or nausea occurs, move to fresh air and keep at rest in a comfortable position for breathing. If symptoms persist or unconsciousness occurs, seek immediate medical assistance.

**Skin contact**

Wash skin thoroughly with mild soap and plenty of water for at least 20 minutes. If irritation develops, seek medical advice.

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**Note to physicians**

Treat symptomatically.

**4.2 Most important symptoms and effects, both acute and delayed****Acute symptoms****Eye exposure symptoms**

Direct eye exposure may lead to redness and lacrimation (crying tears).

**Ingestion symptoms**

Small amounts may cause nausea. Large amounts may lead to abdominal obstruction (cramps), constipation or diarrhea.

**Inhalation symptoms**

May cause irritation of the nose, throat, and lungs.

**Skin exposure symptoms**

Short-term exposure is not expected to cause irritation.

**Delayed symptoms****Eye exposure symptoms**

None expected, however seek medical attention if irritation persists.

**Ingestion symptoms**

None expected, however seek medical attention if abdominal obstruction, constipation or diarrhea persists.

**Inhalation symptoms**

None expected, however seek medical attention if respiratory irritation persists.

**Skin exposure symptoms**

Repeated exposure may lead to irritation. If rash develops, seek medical attention.

**4.3 Indication of any immediate medical attention and special treatment needed**

Suggestions for clinical testing and medical monitoring for delayed effects are not known. Use first aid when applicable, and seek guidance from a medical physician for specific treatment.

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**SECTION 5. FIREFIGHTING MEASURES****5.1 Extinguishing media**

Suitable extinguishing media includes alcohol-resistant foam, carbon dioxide, dry chemical or water fog.

**5.2 Special hazards arising from the substance or mixture**

No data is available.

**5.3 Advice for firefighters****Fire-Fighting Equipment**

Firefighter should wear normal protective equipment (full bunker gear) and positive-pressure contained breathing apparatus. Water can be used to cool fire-exposed containers, to protect personnel and to disperse vapors and spills. Water runoff can cause environmental damage. Dike and collect water used to fight fires.

**Special Fire-Fighting Procedures**

Use water spray to cool fire-exposed containers and structures. If a rail or tank truck is involved in a fire, isolate for 800 meters (0.5 mile) in all directions. Shut off fuel to fire if it is possible to do so without hazard. If this is impossible, withdraw from the area and let the fire burn out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**



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#### 6.1 Personal precautions, protective equipment and emergency procedures

##### For non-emergency personnel

Wear personal protective equipment (PPE). Eliminate sources of ignition, if safe to do so. Avoid breathing vapors or mist. Evacuate to designated safe areas.

##### For emergency responders

If possible, move individual to safe area, and treat symptomatically.

#### 6.2 Environmental precautions

Contain spill, if safe to do so. Prevent from entering sewers or drains.

#### 6.3 Methods and material for containment and cleaning up

Use oil absorbent material to soak up product on the ground. Should this product enter sewers or drains, it should be pumped out into an open vessel. The recovered material should be discarded as hazardous waste.

#### 6.4 Reference to other sections

If appropriate, refer to SECTION 8 and SECTION 13 for additional information.

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### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Use personal protective equipment (PPE) when handling this product. Smoking, eating and drinking should be prohibited in the application area.

#### 7.2 Conditions for safe storage, including any incompatibilities

Do not store in open or unlabeled containers. Keep container tightly closed in a dry and well-ventilated place.

#### 7.3 Specific end use(s)

This product is for cleaning, lubricating and short-term preservation of small and large caliber weapons, operating in the temperature range of -51 to +71°C (-60 to +60°F).

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

##### Occupational exposure limits

None exposure limits have been established for any of the disclosed components.

##### Biological exposure limits

None established for any of the disclosed components.

#### 8.2 Exposure controls

##### Appropriate engineering controls

Practice general industrial hygiene. Do not eat, drink or smoke near product. Wash hands after handling. Remove clothing and wash separate from other laundry.

##### Personal protective equipment (PPE)

###### Eye/face protection

Safety glasses, chemical safety goggles and/or face shields are recommended when handling this product.

###### Skin protection

For extended handling, wear oil resistant gloves such as neoprene. Nitrile gloves may be appropriate for short handling periods use. Contact a government approved or accredited manufacturer for specific recommendations.

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**Other protections**

Wear protective clothing ensuring minimal skin exposure. Protective clothing should be chemically impervious to oils and other solvents.

**Respiratory protection**

Use with adequate ventilation. Avoid breathing vapor. If heated and ventilation is inadequate, use NIOSH certified respirator, which will protect against organic vapor.

**Environmental exposure controls**

Do not allow product to reach ground water, water course, or sewage systems. Stop leaks, if safe to do so. Contain spills with absorbent or adsorbent materials.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance:	Transparent, amber liquid.
Odor:	Petroleum fragrance
Odor threshold:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Evaporation Rate:	Not available
Explosive properties:	Not available
Flammability (solid, gas):	Non-flammable
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Flash point Cleveland Open Cup (ASTM D92):	188°C (370°F)
Flash point Pensky-Martens (ASTM D93):	174°C (345°F)
Initial boiling point and boiling range:	Not determined
Melting point/freezing point:	< -63°C (-81.4°F)
Oxidizing properties:	Not determined
Partition coefficient (n-octanol/water), Log P <sub>ow</sub> :	Not available
pH:	Not applicable
Relative density (ASTM D1298) 15.6°C/15.6°C (60°F/60°F):	0.91
Solubility in water:	Insoluble
Vapor density:	Not available
Vapor pressure:	< 0.01 mmHg at 20°C (68°F)
Viscosity (ASTM D445):	27 mm <sup>2</sup> /s (cSt) at 20°C (68°F)

**9.2 Other information**

No further information is available.

**SECTION 10. STABILITY AND REACTIVITY****10.1 Reactivity**

Non-reactive in its original state.

**10.2 Chemical stability**

Stable in its original state.

**10.3 Possibility of hazardous reactions**

Does not occur.

**10.4 Conditions to avoid**

Oxidizing materials

**10.5 Incompatible materials**

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Keep away from strong oxidizing or reducing agents, including acids, caustics, chlorites (bleach), halogens and peroxides.

**10.6 Hazardous decomposition products**

Decomposition of this product under fire conditions may produce carbon oxides, phenols, sulfur oxides, sulfates, and other decomposition products.

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute toxicity	Method	Species	Result
1-Decene, homopolymer, hydrogenated	Dermal	Rat	LD <sub>50</sub> > 2000 mg/kg
	Inhalation	Rat	LC <sub>50</sub> = 5.0 mg/L after 1 hour
	Oral	Rat	LD <sub>50</sub> > 2000 mg/kg
Naphthalenesulfonic acid, dinonyl-, calcium salt	Dermal	Rat	LD <sub>50</sub> > 10,000 mg/kg
	Inhalation	Rat	LC <sub>50</sub> > 9000 mg/kg
	Oral	Rat	LD <sub>50</sub> > 2500 mg/kg
Proprietary components	--	--	Not classified

Aspiration hazard	Test Method	Species	Result
1-Decene, homopolymer, hydrogenated	OECD 403	Rat	Aspiration hazard, Category 1
Naphthalenesulfonic acid, dinonyl-, calcium salt	--	--	No data available
Proprietary components	OECD 403	Rat	Not classified

**Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH, IARC, NTP or OSHA.

Eye damage / irritation	Test Method	Species	Results
1-Decene, homopolymer, hydrogenated	OECD 405	Rabbit	Not irritating
Naphthalenesulfonic acid, dinonyl-, calcium salt	--	--	Causes serious eye damage.
Proprietary components	--	--	No data available

Germ cell mutagenicity	Test Method	Species	Results
1-Decene, homopolymer, hydrogenated	OECD 471	<i>S. typhimurium</i>	Not mutagenic
Naphthalenesulfonic acid, dinonyl-, calcium salt	AMES Test	--	Not mutagenic
Proprietary components	--	--	No data available

Reproductive toxicity	Test Method	Species	Results
1-Decene, homopolymer, hydrogenated	OECD 415	Rat	No reproductive harm
Naphthalenesulfonic acid, dinonyl-, calcium salt	--	--	No data available
Proprietary components	--	--	No data available

**Respiratory sensitization**

No data available

Skin sensitization	Test Method	Species	Results
1-Decene, homopolymer, hydrogenated	OECD 406	Guinea pig	Not sensitizing
Naphthalenesulfonic acid, dinonyl-, calcium salt	--	Human	Not sensitizing
Proprietary components	--	--	Not expected to be sensitizing.

Skin corrosion/irritation	Test Method	Species	Results
1-Decene, homopolymer, hydrogenated	OECD 404	Rabbit	Not irritating
Naphthalenesulfonic acid, dinonyl-, calcium salt	OECD 404	Rabbit	Irritant
Proprietary components	--	--	Irritant

**Specific target organ toxicity (STOT)-repeated exposure**

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No data available

**Specific target organ toxicity (STOT)-single exposure**

No data available

**11.2 Other information**

See SECTION 16 for toxicity references.

**SECTION 12. ECOLOGICAL INFORMATION****12.1 Toxicity**

Aquatic Toxicity	Test Method	Species	Results
1-Decene, homopolymer, hydrogenated	OECD 203 OECD 211 DIN 38412-8	<i>D. magna</i> <i>O. mykiss</i> <i>P. putida</i>	NOEL = 125 mg/L after 21 days LL <sub>50</sub> > 1000g/L after 96 hours EC <sub>50</sub> > 10g/L after 16 hours
Naphthalenesulfonic acid, dinonyl-, calcium salt	-- -- --	<i>Algae</i> <i>Daphnia</i> <i>Fish</i>	NOEC > 0.27 mg/L after 72 hours EC <sub>50</sub> > 0.27 mg/L after 48 hours LC <sub>50</sub> > 0.28 mg/L after 96 hours
Proprietary components	--	--	Not expected to be hazardous.

Terrestrial Toxicity	Test Method	Species	Results
1-Decene, homopolymer, hydrogenated	OECD 222	<i>Earthworm</i>	LC50 > 1000 mg/kg after 56 days
Naphthalenesulfonic acid, dinonyl-, calcium salt	--	--	No data available
Proprietary components	--	--	Not expected to be hazardous.

**12.2 Persistence and degradability**

Biodegradation	Test Method	Results
1-Decene, homopolymer, hydrogenated	OECD 301B	Not readily biodegradable
Naphthalenesulfonic acid, dinonyl-, calcium salt	--	Not readily biodegradable
Proprietary components	--	No data available

**12.3 Bioaccumulative potential**

Bioconcentration Factor (BCF)	Results
1-Decene, homopolymer, hydrogenated	No data available
Naphthalenesulfonic acid, dinonyl-, calcium salt	BCF = 3.16
Proprietary components	No data available

Partition Coefficient n-octanol / water (Log K <sub>ow</sub> )	Results
1-Decene, homopolymer, hydrogenated	Log K <sub>ow</sub> = 10.09
Naphthalenesulfonic acid, dinonyl-, calcium salt	No data available
Proprietary components	No data available

**12.4 Mobility in soil**

Soil Mobility	Results
1-Decene, homopolymer, hydrogenated	No data available
Naphthalenesulfonic acid, dinonyl-, calcium salt	QSAR = 5.24 at 20°C
Proprietary components	No data available

**12.5 Results of PBT and vPvB assessment**



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Chemical	Results
1-Decene, homopolymer, hydrogenated	The substance is not PBT / vPvB.
Naphthalenesulfonic acid, dinonyl-, calcium salt	The substance is not PBT / vPvB.
Proprietary components	No chemical assessment available.

**12.6 Other adverse effects**

No further information is available

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**SECTION 13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

This unused material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it could be considered hazardous if it meets U.S. EPA (40 CFR Subpart C) criteria for being toxic, corrosive, ignitable, or reactive. This material could also become hazardous waste if it is mixed with or meets a listed hazardous waste. If it is a hazardous waste, regulations in 40 CFR 262-266, 268, 270, and 279 may apply.

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**SECTION 14. TRANSPORTATION INFORMATION****United States Department of Transportation (DOT)**

Not regulated

**Canada Transport - Transportation of Dangerous Goods (TDG)**

Not regulated

**International Air Transport Association (IATA)**

Not regulated

**International Carriage of Dangerous Goods by Inland Waterways (AND)**

Not regulated

**International Carriage of Dangerous Goods by Rail (RID)**

Not regulated

**International Carriage of Dangerous Goods by Road (ADR)**

Not regulated

**International Civil Aviation Organization (ICAO)**

Not regulated

**International Maritime Dangerous Goods Code (IMDG Code)**

Not regulated

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**SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Australia Inventory (AICS)**

All the ingredients are listed.

**California Proposition 65**

This product does not contain any chemicals known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

**Canadian Domestic Substances List/Non-Domestic Substances List (DSL/NDSL)**

All the ingredients are listed.

**China Inventory of Existing Chemical Substances (IECSC)**

All the ingredients are listed.



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This product is not reportable under 40 CFR Part 302.4.

#### International Agency for Research on Cancer (IARC)

None of the ingredients are listed.

#### Japan Existing and New Chemical Substances (ENCS)

All the ingredients are listed.

#### Korean Existing and Evaluated Chemical Substances (KECL)

All the ingredients are listed.

#### Philippines Inventory of Chemicals and Chemical Substances (PICCS)

All the ingredients are listed.

#### SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355)

This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

#### SARA Title III Section 313 (40 CFR Part 372)

This product is not regulated under Section 313 of SARA and 40 CFR Part 372.

#### SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370)

Hazardous categories for this product are:

Acute = No      Chronic = No      Fire = No      Pressure = No      Reactive = No

#### United States Toxic Substances Control Act (TSCA)

All the ingredients are listed.

## 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been conducted.

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## SECTION 16. OTHER INFORMATION

Safety Data Sheet Creation Date: 17 February 2015

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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.

RADCOLUBE® is a registered trademark of Radco Industries, Inc.

### Toxicological References

"Calcium bis(dinonylnaphthalenesulphonate)." *National Center for Biotechnology Information. PubChem Compound Database.* U.S. National Library of Medicine, 8 Aug. 2005. Web. 11 Apr. 2017.

"Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated." *Registration Dossier - ECHA.* European Chemicals Agency, [no date]. Web. 11 Apr. 2017.

"Notified classification and labelling according to CLP criteria of Calcium bis(dinonylnaphthalenesulphonate), CAS 57855-77-3." *Notification Details - CL Inventory.* European Chemicals Agency, [no date]. Web. 11 Apr. 2017.

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*Globally Harmonized System of Classification and Labelling of Chemicals: (GHS). 6th ed. New York: United Nations, 2015. Print.*

**Definitions**

Asp. Tox. 1	<i>See Aspiration hazard, category 1 definition.</i>
Aspiration hazard, category 1	Hydrocarbons with kinematic viscosity $\leq 20.5$ mm <sup>2</sup> /s.
EC number	European Community number
EC50	Concentration that effects 50% of the test population.
EU	European Union
Eye Dam. 1	<i>See Serious Eye Damage, Category 1 for definition.</i>
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H401	Toxic to aquatic life.
HMIS	Hazardous Materials Identification System
LC50	Lethal concentration that causes 50% death in test population.
LD50	Lethal dose that causes 50% death in test population.
LL50	Loading test rate that causes 50% death in test population.
M-Factor	Multiplying factor for substances that are toxic to aquatic environment.
NFPA	National Fire Protection Association
NOAEL	No observed adverse effect level
OECD	Organisation for Economic Co-operation and Development
OECD 222	OECD Guideline 222: Earthworm Reproduction Test ( <i>Eisenia fetida</i> / <i>Eisenia andrei</i> )
OECD 301B	OECD Guideline 301 B: (Ready Biodegradability: CO <sub>2</sub> Evolution Test)
OECD 403	OECD Guideline 403: Acute Inhalation Toxicity
OECD 404	OECD Guideline 404: Acute Dermal Irritation/Corrosion Test
OECD 405	OECD Guideline 405: Acute Eye Irritation/Corrosion Test
OECD 406	OECD Guideline 406: Skin Sensitization Test
PBT	Persistence Bioaccumulation and Toxicity
Serious eye damage, Category 1	A material that causes corneal opacity, iritis, conjunctival redness or conjunctival edema and does not fully reverse after 21 days.
Skin corrosion/irritation, Category 2	Inflammation, alopecia (limited area), hyperkeratosis, hyperplasia, and scaling that fully reverses after 14 days.
Skin Irrit. 2	<i>See Skin corrosion/irritation, Category 2 for definition.</i>
UN	United Nations
US	United States of America
vPvB	Very persistent and very bioaccumulative