CODE: 422000-SRA1

REVISION: 06/05/2022 SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

Product Identifier: MOREY'S SUPER RED ARCTIC WIDE TEMP GREASE EP1

Relevant identified uses of the substance or mixture and uses advised against: Intended use: Refer to Technical Data Sheet

Details of the supplier of the safety data sheet:

MOREY OIL SOUTH PACIFIC (AUST) PTY LTD 2/50 SUCCESS STREET, ACACIA RIDGE QLD 4110, AUSTRALIA

Phone number: 7 321 66000 Website: www.morevoil.com.au Email: info@moreyoil.com.au

Special Hazards:--

Emergency telephone number: 1 800 637173

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture: Skin Irrit. 2;H315 Causes skin irritation

Label Elements:

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.

GHS Label element:



Signal Word:	WARNING
olgitul Word.	

Hazard Statement:

		H315	Causes ski	n irritation		
Precautionary	y Statements:					
Prevention:		P280	Wear prote	ctive gloves/eye pr	otection/face protection	
Response:		P302+352 P362		I: Wash with soap ntaminated clothing	and water g and wash before reuse	
HMIS	Health: Fire: Physical: Hazards:	2 1 0	NFPA	Health: Fire: Reactivity:	2 1 0	

Other Hazards:

This product contains no PBT/vPvB chemicals.

С

PPE:

Not classified as hazardous according to the criteria of NOHSC Australia. Not defined as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by road or rail.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS			
CAS Number	%	Name EC	No. 1272/2008 GHS Classification
0064742-52-5	<70	Distillate (petroleum) hydrotreated heavy naphthenic	Not Classified
0068649-12-7	<20	1-Decene, tetramer, mixed with 1-decene trimer,	
		hydrogenated	Not Classified
0009003-29-6	<5	Polybutene	Not Classified
0064742-46-7	<5	Distillates (petroleum), hydrotreated middle	Not Classified
Proprietary or N/A	<5	Hydroxyl Containing Saturated Fatty Acids	Not Classified
0015890-25-2	<5	Antimony, tris(dipentylcarbamodithioato-S,S')-, (OC-6	5-11)- Not Classified
0068037-01-4	<3	1-Decene, homopolymer, hydrogenated	Not Classified

-	-
0000111-20-6	<3
0001310-66-3	<3

CODE: 422000-SRA1

* The full texts of the phrases are shown in Section 16.

Decanedioic Acid

Lithium hydroxide monohydrate

SECTION 4	FIRST AID MEASURES			
General:		In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.		
Inhalation:	If breathing has stopped, give artificial respiration.	If inhaled, remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. If unconscious, place in the recovery position and seek medical attention immediately.		
Skin:		In case of contact, immediately rinse skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.		
Eye:		In case of contact, immediately rinse eyes with plenty of fresh, clean water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek medical attention immediately.		
Ingestion:	Do not induce vomiting. Call a doctor or emergence	Do not induce vomiting. Call a doctor or emergency medical facility immediately.		
Most important symptor	ns and effects, both acute and delayed.	No data available		
Indication of any immed	iate medical attention and special treatment needed:	No data available		
SECTION 5	FIRE FIGHTING MEASURES			

Extinguishing media:	Use carbon dioxide (CO2), dry chemical, or foam to extinguish flames.
Special hazards arising from the substance or mixture:	Hazardous decomposition products. May form CO and CO2.
Advice for fire-fighters:	Self-contained full-face positive pressure breathing apparatus (SCBA) should be used. Water can be used to cool and protect exposed material. Do not allow runoff water and contaminants from firefighting to enter drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES	
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Personal precautions, protective	e equipment and emergency procedures: Avoid contact with spilled material. Use suitable personal protective equipment. Ventilate area if spilled in confined space or other poorly ventilated areas. Evacuate personnel to safe areas. Keep unnecessary personnel away.
Environmental precautions:	Prevent entry into sewers and waterways. Report spills as required to appropriate authorities in accordance with all applicable regulations.
Methods and material for contai	 Imment and cleaning up: Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials. Place in closed containers outside buildings and dispose of according to the Waste Regulations. See section 13. Clean preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or water courses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes, the Environmental Protection Authority should also be informed. Dispose of in accordance with local environmental regulations.

SECTION 7	HANDLING AND STORAGE
Precautions for safe handling:	
Handling:	Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapour. Use with adequate ventilation.
In storage:	Store in a dry location at room temperature. Keep this container and vapours from the container away from heat and flame. Keep container closed and maintain all original markings and labels.
Conditions for safe storage including any incompatibilities:	Keep away from strong oxidizing and reducing agents. CAUTION: Do not use cutting or welding torches on drums, even when empty. Do not reuse container. Containers, even those that have been emptied will retain product residue and vapours. Always obey hazard warnings and handle empty containers as if they were full.
Specific end use(s):	There are no exposure scenarios, see details in section 1.
SECTION 8	EXPOSURE CONTROLS - PERSONAL PROTECTION

Control parameters: The following occupational exposure limits have been established.

CAS NUMBER	INGREDIENT	SOURCE	VALUE
0000111-20-6	Decanedioic Acid	OSHA	No established limit
		ACGIH	No established limit
		NIOSH	No established limit
0001310-66-3	Lithium hydroxide monohydrate	OSHA	No established limit
		ACGIH	No established limit
		NIOSH	No established limit
0009003-29-6	Polybutene	OSHA	No established limit
		ACGIH	No established limit
		NIOSH	No established limit
0015890-25-2	Antimony, tris(dipentylcarbamodithioato-	OSHA	No established limit
	S,S')-, (OC-6-11)-	ACGIH	No established limit
		NIOSH	No established limit
0064742-46-7	Distillates (petroleum), hydrotreated middle	OSHA	No established limit
		ACGIH	No established limit
		NIOSH	No established limit
0064742-52-5	Distillate (petroleum) hydrotreated	OSHA	No established limit
	heavy naphthenic	ACGIH	No established limit
		NIOSH	No established limit
0068037-01-4	1-Decene, homopolymer, hydrogenated	OSHA	No established limit
		ACGIH	No established limit
		NIOSH	No established limit
0068649-12-7	1-Decene, tetramer, mixed with 1-decene	OSHA	No established limit
	trimer, hydrogenated	ACGIH	No established limit
		NIOSH	No established limit
Proprietary or N/A	Hydroxyl Containing Saturated Fatty Acids	OSHA	No established limit
		ACGIH	No established limit
		NIOSH	No established limit

Contains mineral oil. The exposure limits for oil mist are 5mg/m3 OSHA PEL and 10mg/m3 ACGIH.

Carcinogen data:

CAS NUMBER 0000111-20-6	INGREDIENT Decanedioic Acid	SOURCE OSHA IARC	VALUE Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0001310-66-3	Lithium hydroxide monohydrate	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0009003-29-6	Polybutene	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0015890-25-2	Antimony, tris(dipentylcarbamodithioato S,S')-, (OC-6-11)-	- OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;

SAFETY DATA SHEET

CODE: 422000-SRA1

0064742-46-7	Distillates (petroleum), hydrotreated	OSHA	Select Carcinogen: No
	middle	IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-52-5	Distillate (petroleum) hydrotreated	OSHA	Select Carcinogen: No
	heavy naphthenic	IARC	Group 1: No; Group 2A: No; Group 2B: No;
			Group 3: No; Group 4: No;
0068037-01-4	1-Decene, homopolymer,	OSHA	Select Carcinogen: No
	hydrogenated	IARC	Group 1: No; Group 2A: No; Group 2B: No;
	, C		Group 3: No; Group 4: No;
0068649-12-7	1-Decene, tetramer, mixed with	OSHA	Select Carcinogen: No
	1-decene trimer, hydrogenated	IARC	Group 1: No; Group 2A: No; Group 2B: No;
			Group 3: No; Group 4: No;
Proprietary or N/A	Hydroxyl Containing Saturated	OSHA	Select Carcinogen: No
	Fatty Acids	IARC	Group 1: No; Group 2A: No; Group 2B: No;
	-		Group 3: No; Group 4: No;

DNEL/PNEC values:	No data available
Exposure controls:	No special requirements under ordinary conditions of use and with adequate ventilation.
Eye/face protection:	Wear safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.
Skin protection:	Wear chemical resistant gloves. Gloves should be inspected before each use and discarded if they show tears, pinholes or signs of wear.
Other:	Gloves, overalls, apron, boots, or other suitable protective garments should be worn to minimize contact based on the task being performed.
Respiratory protection:	Use NIOSH/OSHA approved respirator where high vapour concentrations are present.
Thermal hazards:	No data available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Odour threshold: Melting point/freezing point (C): Flash point (C): Flammability (solid, gas): Vapour pressure (Pa): Solubility(ies): Decomposition temperature: Volatile Organic Compounds: Viscosity (cSt) @ 100 C:	RED GREASE Not determined > 200 Not applicable Not determined negligible Not determined nil Not measured	Odour: pH: Initial boiling point and boiling range (C): Evaporation rate (H20 = 1): Relative density: Vapour density: Auto-ignition temperature (C): Pour point temperature (C): SADT: Viscosity (cSt) @ 40 C:	Petroleum odour Not measured > 300 Not determined 0.9303 Heavier than air Not determined Not determined Not determined Not measured
Upper/lower flammability or exp Lower Explosive Limit: Partition coefficient n-octanol/wa	Not determined	Upper Explosive Limit:	Not determined Not determined

The data listed above are typical physical and chemical properties that do not constitute product specification.

Other information:

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

SECTION 10

STABILITY AND REACTIVITY

Reactivity: Chemical Stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products: No data available Material is normally stable at ambient temperature and pressure. May react with oxidising agents High temperature, sparks and open flames. Keep away from strong oxidising and reducing agents. May form CO and CO2.

SECTION 11

TOXICOLOGICAL INFORMATION

Acute toxicity

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapour LD50, mg/L/4hr
1-Decene, homopolymer, hydrogenated- (0068037-01-4)	>5,000, Rat	>2,000, Rabbit	Not Available
1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated – (0068649-12-7)	15,000.00, Rat	5,000.00, Rabbit	Not Available
Antimony, tris(dipentylcarbamodithioato- S,S')-, (OC-6-11) – (0015890-25-2)	Not Available	Not Available	Not Available
Decanedioic Acid – (0000111-20-6)	>5,000, Rat	6,000.00, Rabbit	Not Available
Distillate (petroleum) hydrotreated heavy naphthenic – (0064742-52-5)	>5,000, Rat	5,000.00, Rabbit	Not Available
Distillates (petroleum), hydrotreated middle – (0064742-46-7)	>5,000, Rat	3,000.00, Rabbit	Not Available
Hydroxyl Containing Saturated Fatty Acids (Proprietary or N/A)	Not Available	Not Available	Not Available
Lithium hydroxide monohydrate- (0001310-66-3)	Not Available	Not Available	Not Available
Polybutene – (0009003-29-6)	34,600.00, Rat	10,250.00 Rabbit	Not Available
Classification Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitisation Skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT – single exposure STOT – repeated exposure	Category Not classified Not classified Not classified 2 Not classified Not classified Not classified Not classified Not classified Not classified Not classified Not classified Not classified	Hazard Description Not applicable Not applicable Not applicable Causes skin irritation Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable	
Aspiration hazard	Not classified	Not applicable	

SECTION 12

ECOLOGICAL INFORMATION

Toxicity:

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

Aquatic Ecotoxicity:

Ingredient Distillate (petroleum) hydrotreated heavy naphthenic – (0064742-52-5)	96 hr LC50 fish, mg/l 5,000.00, Oncorhynchus mykiss	48 hr EC50 crustacea, mg/l 1,000.00, Daphnia magna	ErC50 algae, mg/l 1,000.00 (96 hr), Scenedesmus subspicatus
1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated – (0068649-12-7)	Not Available	Not Available	Not Available
Polybutene – (0009003-29-6)	Not Available	Not Available	Not Available

SAFETY DATA SHEET	CODE: 422000-SRA1		REVISION: 06/05/2022
Distillates (petroleum), hydrotreated middle – (0064742-46-7)	54.00, Jordanella floridae	68.00, Daphnia magna	Not Available
Hydroxyl Containing Saturated Fatty Acids – (Proprietary or N/A)	Not Available	Not Available	Not Available
Antimony, tris(dipentylcarbamodithioato- S,S')-, (OC-6-11) – (0015890-25-2)	Not Available	Not Available	Not Available
1-Decene, homopolymer, hydrogenated – (0068037-01-4)	Not Available	Not Available	Not Available
Decanedioic Acid – (0000111-20-6)	Not Available	Not Available	Not Available
Lithium hydroxide monohydrate – (0001310-66-3)	Not Available	Not Available	Not Available
Persistence and degradability: Bioaccumulative potential: Mobility in soil: Results of PBT and vPvB assessment: Other adverse effects:	There is no data available on the preparation itself. Not measured No data available This product contains no PBT/vPvB chemicals No data available		

SECTION 13

DISPOSAL CONSIDERATIONS

Waste treatment methods:Consult federal, state and local regulations regarding disposal methods. Recycle used oil.
Do not contaminate used oil with solvents or other chemicals.

SECTION 14 TRANSPORTATION INFORMATION

UN Number: UN proper shipping name:	Not applicable Not regulated
Transport hazard class(es): US DOT Label ADR/RID IMDG Sub class	Not regulated Not regulated Not regulated Not applicable
Packing group:	Not applicable
Environmental hazards: ADR/RID IMDG	Environmentally Hazardous: No – Not regulated Marine Pollutant: No – Not regulated

Special precautions for user: No further information

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

SECTION 15

REGULATORY INFORMATION

National Legislation:

United States:

The regulatory data in Section 15 is not intended to be all inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

Not applicable

SARA 311/312 (>0.1%):	Not applicable
SARA 313 (>0.1%):	Not applicable
CERCLA (>0.1%):	Not applicable

Inventory – Canada – Non – Domestic Substances List (NDSL):

9-Octadecenoic acid (Z)-, reaction products with diethylenetriamine, oleates

California Proposition 65 Cancer:

Arsenic Ethyl benzene Cadmium Ethyl acrylate Lead California Proposition 65 Developmental:

California Proposition 65 Female Reproductive:

California Proposition 65 Male Reproductive:

Inventory – Australia - Inventory of Chemical Substances (AICS):

1-Decene, homopolymer, hydrogenated 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated Antimony, tris(dipentylcarbamodithioato-S,S')-, (OC-6-11) – Decanedioic Acid Distillate (petroleum) hydrotreated heavy naphthenic Distillates (petroleum), hydrotreated middle Lithium hydroxide monohydrate Olefin Sulfide Phosphoric acid/Alkyl esters Polybutene Tall oil

Inventory – Japan Existing and New Chemical Substances (ENCS):

1-Decene, homopolymer, hydrogenated () Antimony, tris(dipentylcarbamodithioato-S,S')-, (OC-6-11)- (2-2889) Decanedioic Acid (2-878) Distillate (petroleum) hydrotreated heavy naphthenic () Distillates (petroleum), hydrotreated middle () Polybutene (6-774) Tall oil (7-977; 8-338)

Korean Existing Chemicals Inventory:

1-Decene, homopolymer, hydrogenated Antimony, tris(dipentylcarbamodithioato-S,S')-, (OC-6-11) – Decanedioic Acid Distillate (petroleum) hydrotreated heavy naphthenic Distillates (petroleum), hydrotreated middle Polybutene Tall oil

Inventory of Existing Chemicals Substances in China:

1-Decene, homopolymer, hydrogenated Distillates (petroleum), hydrotreated middle Olefin Sulfide Polybutene

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

1-Decene, homopolymer, hydrogenated 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated Antimony, tris(dipentylcarbamodithioato-S,S')-, (OC-6-11) – Decanedioic Acid Distillate (petroleum) hydrotreated heavy naphthenic Distillates (petroleum), hydrotreated middle Lithium hydroxide monohydrate Olefin Sulfide Phosphoric acid/Alkyl esters Polybutene Tall oil CODE: 422000-SRA1

Taiwan List of Toxic Chemical Substances regulated under Toxic Chemical Substances Control Act:

Not applicable

EU REACH: Annex XVII, Dangerous Substances and Preparations:

Distillate (petroleum) hydrotreated heavy naphthenic Distillates (petroleum), hydrotreated middle

Inventory - European Union - European Inventory of Existing Commercial Chemical Substances (EINECS):

1-Decene, homopolymer, hydrogenated () 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated () 9-Octadecenoic acid (Z)-, reaction products with diethylenetriamine, oleates (271-549-3) Antimony, tris(dipentylcarbamodithioato-S,S')-, (OC-6-11) – (240-028-2) Decanedioic Acid (203-845-5) Distillate (petroleum) hydrotreated heavy naphthenic (265-155-0) Distillates (petroleum), hydrotreated middle (265-148-2) Olefin Sulfide () Phosphoric acid/Alkyl esters () Polybutene () Tall oil (232-304-6)

EU List of Notified Chemical Substances (ELINCS): Not applicable

Risk Phrases: Not Classified

SECTION 16

OTHER INFORMATION

This information has been compiled from sources considered to be dependable and is accurate to the best of Morey Oil South Pacific Ltd knowledge. Morey Oil South Pacific Ltd makes no warranty whatsoever, expressed or implied, of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Morey Oil South Pacific Ltd assumes no responsibility for injury to recipient or third persons, or for any damage to any property and recipient assumes all such risks.

The full text of the phrases appearing in section 3 is:

- H314 Causes severe skin burns and eye damage
- H335 May cause respiratory irritation

This is the first revision of this SDS Format, changes from previous revision not applicable.

End of document