

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

- Product Name** • **RIG #2 Lubricant Liquid**
- Synonyms** • BIRCHWOOD CASEY® RIG® #2 OIL LUBRICANT; RIG® #2 OIL LUBRICANT
- Product Code** • 40028

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

- Relevant identified use(s)** • Excellent rust protection and lubrication of firearm metal parts

1.3 Details of the supplier of the safety data sheet

- Manufacturer** • Birchwood Casey, LLC
7887 Fuller Road, Suite 100
Eden Prairie, MN 55344
United States
www.birchwoodcasey.com

Telephone (General) • 952-388-6717

1.4 Emergency telephone number

- Manufacturer** • 1-800-424-9300

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

- CLP**
- Eye Irritation 2 - H319
 - Skin Irritation 2 - H315
 - Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
 - Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
 - Aspiration 1 - H304
- DSD/DPD**
- Harmful (Xn)
 - R65

2.2 Label Elements

CLP

DANGER



Hazard statements ● H304 - May be fatal if swallowed and enters airways

Precautionary statements

Response ● P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 - Do NOT induce vomiting.

Storage/Disposal ● P405 - Store locked up.
P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



Risk phrases ● R65 - Harmful: may cause lung damage if swallowed.

2.3 Other Hazards

CLP ● According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD ● According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 ● Flammable Liquids 4
Aspiration 1
Skin Irritation 2
Eye Irritation 2A
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects

2.2 Label elements

OSHA HCS 2012

DANGER



Hazard statements ● Combustible liquid
May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
May cause drowsiness or dizziness

Precautionary statements

Prevention ● Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
Avoid breathing mist/vapours/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Response ● In case of fire: Use appropriate media for extinction.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Specific treatment, see supplemental first aid information.

Wash with plenty of soap and water.
 Take off contaminated clothing and wash before reuse.
 If skin irritation occurs: Get medical advice/attention.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 Do NOT induce vomiting.

- Storage/Disposal**
- Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Combustible Liquids - B3
Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Combustible Liquids - B3
Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Distillates (petroleum), hydrotreated light	CAS:64742-47-8 EC Number:265-149-8	70%	NDA	EU DSD/DPD: EU CLP, Annex VI, Table 3.2: Xn, R65 EU CLP: EU CLP, Annex VI, Table 3.1: Asp. Tox. 1, H304 OSHA HCS 2012: Data lacking	NDA

Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	CAS:64742-52-5 EC Number:265-155-0	15%	NDA	EU DSD/DPD: EU CLP, Annex VI, Table 3.2: Carc.Cat.2, R45 EU CLP: EU CLP, Annex VI, Table 3.1: Carc. 1B, H350 OSHA HCS 2012: Skin Irrit. 2	NDA
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See Section 11 for Toxicological Information. See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing. If skin irritation occurs: Get medical advice/attention.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

- If victim is conscious, give 1 – 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media

- Water spray, carbon dioxide, dry chemical.

Unsuitable Extinguishing Media

- Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- Containers may explode when heated. Vapor explosion hazard indoors, outdoors or in sewers. HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Many liquids are lighter than water. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Runoff to sewer may create fire or explosion hazard. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products

- No data available

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk. LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapours, spray. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. A vapor suppressing foam may be used to reduce vapors. All equipment used when handling the product must be grounded. LARGE SPILLS: Dike far ahead of liquid spill for later disposal. LARGE SPILLS: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Keep away from heat and ignition sources. Use only in well ventilated areas. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapours, spray. Avoid contact with skin, eyes, and clothing. Do not puncture or incinerate container. Do not take internally. Take precautionary measures against static charges. Empty containers may still have product residue and flammable vapors.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Store in a cool/low-temperature, well-ventilated dry place away from heat and ignition sources.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines		
	Result	Germany DFG
Distillates (petroleum), hydrotreated light	Ceilings	40 ppm Peak; 280 mg/m3 Peak

(64742-47-8) | MAKs | 20 ppm TWA MAK; 140 mg/m³ TWA MAK**Exposure Control Notations****Germany DFG**

•Distillates (petroleum), hydrotreated light (64742-47-8): **Carcinogens:** (Category 3B (could be carcinogenic for man, isomers in technical mixtures)) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to)

8.2 Exposure controls**Engineering Measures/Controls**

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment**Respiratory**

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety goggles.

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Key to abbreviations

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration

OSHA = Occupational Safety and Health Administration

MSHA = Mine Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

NIOSH = National Institute of Occupational Safety and Health

Section 9 - Physical and Chemical Properties**9.1 Information on Physical and Chemical Properties**

Material Description			
Physical Form	Liquid	Appearance/Description	Amber liquid with a mild odor.
Color	Amber	Odor	Mild
Odor Threshold	Data lacking		
General Properties			
Boiling Point	375 F(190.5556 C)	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	= 0.8	Water Solubility	Negligible
Viscosity	Data lacking	Explosive Properties	Not Explosive.
Oxidizing Properties:	Not an oxidizer.		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking	Volatiles (Vol.)	70 %
Flammability			
Flash Point	155 F(68.3333 C) PMCC (Pensky-Martins Closed Cup)	UEL	7 %
LEL	1 %	Autoignition	Data lacking
Flammability (solid, gas)	Flammable Liquid.		
Environmental			

Octanol/Water Partition coefficient	Data lacking		
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9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Avoid high temperatures and ignition sources.

10.5 Incompatible materials

- Strong oxidizers.

10.6 Hazardous decomposition products

- Thermal decomposition may produce carbon monoxide, carbon dioxide, sulfur oxides.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) (15%)	64742-52-5	Irritation: Skin-Rabbit • 500 mg • Severe irritation

GHS Properties	Classification
Acute toxicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	EU/CLP • Aspiration 1 OSHA HCS 2012 • Aspiration 1
Carcinogenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
STOT-RE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
	EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific

STOT-SE	Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Toxicity for Reproduction	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2A

Route(s) of entry/exposure ● Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation

- Acute (Immediate)** ● May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.
- Chronic (Delayed)** ● No data available.

Skin

- Acute (Immediate)** ● Causes skin irritation.
- Chronic (Delayed)** ● No data available.

Eye

- Acute (Immediate)** ● Causes serious eye irritation.
- Chronic (Delayed)** ● No data available.

Ingestion

- Acute (Immediate)** ● May cause irritation to the gastrointestinal tract. Material may be aspirated into lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.
- Chronic (Delayed)** ● No data available.

Key to abbreviations

SEV = Severe

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not regulated	NDA	NDA	NDA
TDG	NDA	Not regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None known.

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

- Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

- Acute, Fire

State Right To Know				
Component	CAS	MA	NJ	PA
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Yes	No	Yes	Yes	No

Inventory (Con't.)				
Component	CAS	Japan ENCS	Korea KECL	TSCA
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Yes	Yes	Yes

Refined)

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Australia - High Volume Industrial Chemicals List

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Australia - List of Designated Hazardous Substances - Classification

- | | | |
|---|------------|----------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Carc.Cat.2 R45 |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Environment

Australia - National Pollutant Inventory (NPI) Substance List

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Australia - Ozone Protection Act - Scheduled Substances

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Australia - Priority Existing Chemical Program

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Canada

Labor

Canada - WHMIS - Classifications of Substances

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Canada - WHMIS - Ingredient Disclosure List

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Environment

Canada - 2004 NPRI (National Pollutant Release Inventory)

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Canada - 2005 NPRI (National Pollutant Release Inventory)

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Canada - CEPA - Greenhouse Gases Subject to Mandatory Reporting

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Canada - CEPA - Priority Substances List

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Canada - DWQ (Drinking Water Quality) - IMACs

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Other**Canada - Accelerated Reduction/Elimination of Toxics (ARET)**

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Canada New Brunswick**Environment****Canada - New Brunswick - Ozone Depleting Substances - Schedule A**

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Canada - New Brunswick - Ozone Depleting Substances - Schedule B

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Europe**Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

- | | | |
|---|------------|-----------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Carc.Cat.2; R45 |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

- | | | |
|---|------------|----------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | T R:45 S:53-45 |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | L |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | S:53-45 |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Mexico**Other****Mexico - Hazard Classifications**

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Mexico - Regulated Substances

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - OSHA - Specifically Regulated Chemicals

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - California - Proposition 65 - Developmental Toxicity

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

- | | | |
|---|------------|------------|
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) | 64742-52-5 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs) | | Not Listed |

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information**Relevant Phrases (code & full text)**

- H350 - May cause cancer.
- R45 - May cause cancer.

Last Revision Date

- 13/February/2015

Preparation Date

- 13/February/2015

Disclaimer/Statement of Liability

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Key to abbreviations

NDA = No data available