




SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	273724	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	AUTO LUBE HI-TEMP CARTRIDGE	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Multipurpose, High Impact, Green Gel Grease	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Not a GHS controlled substance or mixture.	SIGNAL WORD: Not a GHS controlled substance or mixture.	SYMBOL:	NOT A CONTROLLED  PRODUCT UNDER GHS
HAZARD STATEMENT: Not a GHS controlled substance or mixture.			

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	>= 70 - < 90
Mineral Oil Mixture	Not assigned	>= 0.1 - < 1
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	>= 0.1 - < 1
quartz (SiO ₂)	14808-60-7	>= 0.1 - < 1

4. First Aid Measures

EMERGENCY OVERVIEW

WARNING: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

EYES: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

SKIN: If skin irritation persists, call a physician.

INHALATION:

If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

INGESTION:

Induce vomiting immediately and call a physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry chemical. Water. Foam. Carbon dioxide (CO₂).

UNSUITABLE FIRE EXTINGUISHING MEDIA:

High volume water jet.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Do not allow run-off from firefighting to enter drains or watercourses.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide (CO₂). Carbon monoxide. Smoke.

SPECIFIC FIRE-FIGHTING METHODS:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained breathing apparatus for firefighting if necessary.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental Release Measures

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

7. Handling and Storage

SAFE HANDLING:

Do not breathe vapours/dust. For personal protection see Section 8. Smoking, eating, and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

SAFE STORAGE:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations/working materials must comply with the technological safety standards.

MATERIALS TO AVOID:

Oxidizing agents.

8. Exposure Controls / Personal Protection**PERSONAL PROTECTIVE EQUIPMENT:**

HAND PROTECTION: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

EYE PROTECTION: Eyewash bottle with pure water. Tightly fitting safety goggles.

SKIN PROTECTION: Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

HYGIENE MEASURES: When using, do not eat or drink. When using, do not smoke. Wash hands before breaks and at the end of workday.

9. Physical & Chemical Properties

APPEARANCE:	Gel.	FLASH POINT:	204°C
Color:	Dark green.	EVAPORATION RATE:	No data available.
ODOR:	Oily.	Explosive Limit – lower (%):	No data available.
ODOR THRESHOLD:	No data available.	Explosive Limit – upper (%):	No data available.
pH:	No data available.	VAPOR PRESSURE:	< 0.01 hPa
MELTING/FREEZING POINT:	Not applicable.	DENSITY:	1 g/cm ³
BOILING POINT:	Not applicable.	RELATIVE VAPOR DENSITY:	No data available.
PARTITION COEFFICIENT (n-octanol/water):	No data available.	SOLUBILITY (water):	Negligible.
VISCOSITY (dynamic):	No data available.	AUTO-IGNITION TEMP:	No data available.
VISCOSITY (kinematic):	> 10,000 mm ² /s (40°C)	THERMAL DECOMPOSITION:	No data available.

10. Stability & Reactivity Information**REACTIVITY:**

Stable. No decomposition if stored and applied as directed.

CHEMICAL STABILITY:

Stable under normal conditions. No decomposition if stored and applied as directed.

POSSIBILITY OF HAZARDOUS REACTIONS:

No decomposition if stored and applied as directed.

INCOMPATIBLE MATERIALS:

No data available.

CONDITIONS TO AVOID:

No data available.

DECOMPOSITION PRODUCTS:

Organic substances. Carbon oxides.

11. Toxicological Information**ACUTE TOXICITY:**

No data available.

SKIN CORROSION/IRRITATION:

No data available.

SERIOUS EYE DAMAGE/EYE IRRITATION:

No data available.

RESPIRATORY OR SKIN SENSITIZATION:

No data available.

GERM CELL MUTAGENICITY:

No data available.

CARCINOGENICITY:

Not classifiable as a human carcinogen.

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

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

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

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

REPRODUCTIVE TOXICITY:

No data available.

Distillates (petroleum), hydrotreated light naphthenic:

Mineral Oil Mixture:

Distillates (petroleum), solvent-refined heavy paraffinic:

quartz (SiO₂):

STOT - single exposure:
No data available.
STOT - repeated exposure:
No data available.
ASPIRATION TOXICITY:
No data available.
FURTHER INFORMATION
No data available.

12. Ecological Information

ECOTOXICITY:
No data available.
PERSISTENCE AND DEGRADABILITY:
No data available.
BIOACCUMULATIVE POTENTIAL:
Partition coefficient: n-octanol/water: No data available.
Distillates (petroleum), solvent-refined heavy paraffinic
Partition coefficient: n-octanol/water: log Pow: 5
MOBILITY IN SOIL:
No data available.
OTHER ADVERSE EFFECTS:
No data available.
Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
ADDITIONAL ECOLOGICAL INFORMATION:
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

13. Disposal Consideration

DISPOSAL METHODS:
The product should not be allowed to enter drains, watercourses, or the soil. Do not contaminate ponds, waterways, or ditches with chemical or used container. Dispose of in accordance with local regulations. Send to a licensed waste management company.
CONTAMINATED PACKAGING:
Empty remaining contents. Dispose of as unused product. Do not reuse empty containers.

14. Transportation Information

Transportation Regulation: 49 CFR (USA):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL
Transportation Regulation: IMDG (Vessel):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL
Transportation Regulation: IATA (Cargo Air):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL
Transportation Regulation: IATA (Passenger Air):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL
Transportation Regulation: TDG (Canada):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

15. Regulatory Information

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

COMPONENTS	CAS #	COMPONENT RQ (lbs)	CALCULATED PRODUCT RQ (lbs)
Xylenes	1330-20-7	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards:

No SARA Hazards.

SARA 302:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65:

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

The components of this product are reported in the following inventories:

TSCA	On the inventory, or in compliance with the inventory
DSL	This product contains one or several components that are not on the Canadian DSL nor NDSL.
AICS	Not in compliance with the inventory
NZIoC	Not in compliance with the inventory
PICCS	Not in compliance with the inventory
IECSC	Not in compliance with the inventory

Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.




SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	272324	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	AUTO LUBE LITHO-LUBE CARTRIDGE	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Extreme Pressure, Lithium Complex Multipurpose Lubricant	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Not a GHS controlled substance or mixture.	SIGNAL WORD: Not a GHS controlled substance or mixture.	SYMBOL:	NOT A CONTROLLED  PRODUCT UNDER GHS
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HAZARD STATEMENT:
This is not a GHS controlled substance or mixture.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	>= 90 - <= 100
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	>= 10 - < 20

4. First Aid Measures

EMERGENCY OVERVIEW

WARNING: Do not leave the victim unattended. Move out of dangerous area. Show this safety data sheet to the doctor in attendance.

EYES: Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist. Keep eye wide open while rinsing. Rinse immediately with plenty of water for at least 15 minutes.

SKIN: If skin irritation persists, call a physician. If on clothes, remove clothes. Wash off immediately with plenty of water for at least 15 minutes.

INHALATION:

If unconscious, place in recovery position and seek medical advice. Consult a physician after significant exposure.

INGESTION:

Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Take victim immediately to hospital.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Water spray jet. Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

High volume water jet.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide (CO₂). Carbon monoxide. Smoke.

SPECIFIC FIRE-FIGHTING METHODS:

Do not allow run-off from firefighting to enter drains or watercourses. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons, in case of fire cans should be stored separately in closed containments.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. If the product contaminates rivers and lakes or drains, inform respective authorities. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. Handling and Storage

SAFE HANDLING:

For personal protection see section 8. Smoking, eating, and drinking should be prohibited in the application area. Avoid exposure/obtain special instructions before use. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in workrooms. Dispose of rinse water in accordance with local and national regulations.

SAFE STORAGE:

Electrical installations/working materials must comply with the technological safety standards.

MATERIALS TO AVOID:

No materials to be especially mentioned.

8. Exposure Controls / Personal Protection

Components	CAS #	Value Type (form of exposure)	Control Parameters/Permissible Concentration	Basis
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	TWA (Mist)	5 mg/m ³	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m ³	ACGIH

PERSONAL PROTECTIVE EQUIPMENT:



EYE PROTECTION: Safety glasses. Ensure that eyewash stations and safety showers are close to the workstation location.

SKIN PROTECTION: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

RESPIRATORY PROTECTION: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

HYGIENE MEASURES: When using, do not eat or drink. When using, do not smoke. Wash hands before breaks and at the end of workday.

9. Physical & Chemical Properties

Appearance:	Gel.	Flash Point:	> 204°C; Method: closed cup
Color:	Blue.	Evaporation Rate:	<1
Odor:	Slight, characteristic.	Explosive Limit – lower (%):	No data available.
Odor Threshold:	No data available.	Explosive Limit – upper (%):	No data available.
pH:	No data available.	Vapor Pressure:	< 1.3 hPa
Melting/Freezing Point:	> 260°C	Density:	No data available.
Boiling Point:	> 316°C	Relative Vapor Density:	No data available.
Partition Coeff (n-octanol/water):	No data available.	Solubility (water):	Partly soluble.
Viscosity(kinematic):	No data available.	Auto-Ignition Temperature:	Not determined.
Relative Density:	0.91	Thermal Decomposition:	No data available.

10. Stability & Reactivity Information

REACTIVITY:

Stable.

CHEMICAL STABILITY:

Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

Stable under recommended storage conditions. No hazards to be specially mentioned.

INCOMPATIBLE MATERIALS:

Acids. Oxidizing agents

CONDITIONS TO AVOID:

No data available.

DECOMPOSITION PRODUCTS:

No decomposition if stored and applied as directed.

11. Toxicological Information

ACUTE TOXICITY:

Components: Distillates (petroleum), hydrotreated heavy naphthenic:

Acute oral toxicity: LD50 rat: > 5,000 mg/kg.

Acute inhalation toxicity: LC50 rat: > 5 mg/l

Exposure time: 4 h.

Acute dermal toxicity: LD50 rabbit: > 5,000 mg/kg.

SKIN CORROSION/IRRITATION:

No data available.

SERIOUS EYE DAMAGE/IRRITATION:

No data available.

RESPIRATORY OR SKIN SENSITIZATION:

No data available.

GERM CELL MUTAGENICITY:

No data available.

CARCINOGENICITY: No data available.

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

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

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

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

REPRODUCTIVE TOXICITY:

No data available.

Distillates (petroleum), hydrotreated heavy naphthenic:

Distillates (petroleum), hydrotreated light paraffinic:

STOT - single exposure:

No data available.

STOT - repeated exposure:

No data available.

ASPIRATION TOXICITY:

No data available.

FURTHER INFORMATION:

No data available.

12. Ecological Information**ECOTOXICITY:**

No data available.

PERSISTENCE AND DEGRADABILITY:

No data available.

BIOACCUMULATIVE POTENTIAL:

Partition coefficient: n-octanol/water: No data available.

MOBILITY IN SOIL:

No data available.

OTHER ADVERSE EFFECTS:

No data available.

Product:

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

ADDITIONAL ECOLOGICAL INFORMATION:

No data available.

13. Disposal Consideration**WASTE FROM RESIDUES:**

Dispose of in accordance with local regulations. The product should not be allowed to enter drains, watercourses or the soil. Do not contaminate ponds, waterways, or ditches with chemical or used container.

CONTAMINATED PACKAGING:

Empty remaining contents. Dispose of as unused product. Do not reuse empty containers. Do not burn or use a cutting torch on the empty drum.

14. Transportation Information**Transportation Regulation: 49 CFR (USA):**

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IMDG (Vessel):

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IATA (Cargo Air):

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IATA (Passenger Air):

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: TDG (Canada):

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

15. Regulatory Information**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity:**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards:

No SARA Hazard.

SARA 302:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65:

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

The components of this product are reported in the following inventories:

TSCA	On TSCA Inventory
DSL	All components of this product are on the Canadian DSL.
AICS	Not in compliance with the inventory.
NZIoC	Not in compliance with the inventory.
PICCS	Not in compliance with the inventory.
IECSC	Not in compliance with the inventory.

Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	274724	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	AUTO LUBE TEMP-PLATE CARTRIDGE	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Multipurpose High Temperature Red Grease	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Not a GHS controlled substance.	SIGNAL WORD: Not a GHS controlled substance.	SYMBOL:	
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HAZARD STATEMENTS:

Not a hazardous substance or mixture.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	>= 70 - < 90
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	>= 0.1 - < 1

4. First Aid Measures

EMERGENCY OVERVIEW

WARNING: Do not leave the victim unattended.

EYES: Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

SKIN: In case of contact, immediately flush skin with soap and plenty of water. Take off contaminated clothing and shoes immediately. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

INHALATION:

Remove person to fresh air. If signs/symptoms continue, get medical attention.

INGESTION:

Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry chemical.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Carbon dioxide (CO₂). Carbon monoxide. Smoke.

SPECIFIC FIRE-FIGHTING METHODS:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Use personal protective equipment. Ensure adequate ventilation. Refer to protective measures listed in sections 7 and 8.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Prevent further leakage or spillage. Clean contaminated floors and objects thoroughly while observing environmental regulations. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. Handling and Storage

SAFE HANDLING:

For personal protection see Section 8. Smoking, eating, and drinking should be prohibited in the application area.

SAFE STORAGE:

Electrical installations/working materials must comply with the technological safety standards.

MATERIALS TO AVOID:

Oxidizing agents.

8. Exposure Controls / Personal Protection

COMPONENTS	CAS #	VALUE TYPE (form of exposure)	CONTROL PARAMETERS/ PERMISSIBLE CONCENTRATION	BASIS
		TWA (total dust)	30 mg/m3 / %SiO2+2	OSHA Z-3
		TWA (respirable)	10 mg/m3 / %SiO2+2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO2+5	OSHA Z-3
		TWA (Respirable dust)	0.05 mg/m3	NIOSH REL

Contains no substances with occupational exposure limit values.

PERSONAL PROTECTIVE EQUIPMENT:



EYE PROTECTION: Safety glasses.

SKIN PROTECTION: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Protective suit.

RESPIRATORY PROTECTION: No personal respiratory protective equipment normally required.

HYGIENE MEASURES: General industrial hygiene practice.

9. Physical & Chemical Properties

Appearance:	Gel.	Explosive Limit – lower (%):	Not applicable.
Color:	Red.	Explosive Limit – upper (%):	Not applicable.
Odor:	Oily.	Vapor Pressure:	No data available.
Odor Threshold:	No data available.	Relative Vapor Density:	No data available.
pH:	Not applicable.	Density:	0.988 g/cm3
Flash Point:	Not applicable.	Solubility (water):	Insoluble.
Boiling Point:	Not applicable.	Auto-Ignition Temperature:	Not determined.
Partition Coeff (n-octanol/water):	No data available.	Thermal Decomposition:	No data available.
Evaporation Rate:	No data available.	Viscosity (kinematic):	> 10,000 mm2/s (40 °C)

10. Stability & Reactivity Information

REACTIVITY:

Stable.

CHEMICAL STABILITY:

Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

Stable under recommended storage conditions.

INCOMPATIBLE MATERIALS:

Oxidizing agents.

CONDITIONS TO AVOID:

No data available.

DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

11. Toxicological Information

ACUTE TOXICITY:

No data available.

SKIN CORROSION/IRRITATION:

No data available.

SERIOUS EYE DAMAGE/EYE IRRITATION:

No data available.

RESPIRATORY OR SKIN SENSITIZATION:

No data available.

GERM CELL MUTAGENICITY:

No data available.

CARCINOGENICITY:

Product:

Carcinogenicity – Assessment: Not classifiable as a human carcinogen.

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

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

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

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

REPRODUCTIVE TOXICITY:

No data available.

Distillates (petroleum), hydrotreated heavy naphthenic:

Distillates (petroleum), hydrotreated heavy paraffinic:

STOT - single exposure:
No data available.
STOT - repeated exposure:
No data available.
ASPIRATION TOXICITY:
No data available.
FURTHER INFORMATION:
PRODUCT: No data available.

12. Ecological Information

ECOTOXICITY:
No data available.
PERSISTENCE AND DEGRADABILITY:
No data available.
BIOACCUMULATIVE POTENTIAL:
Product: Partition coefficient: n-octanol/water No data available.
Component: Partition coefficient: n-octanol/water Log Pow: 5
MOBILITY IN SOIL:
No data available.
OTHER ADVERSE EFFECTS:
No data available.
PRODUCT
Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
ADDITIONAL ECOLOGICAL INFORMATION:
No data available.

13. Disposal Consideration

WASTE FROM RESIDUES:
Do not dispose of waste into sewer. Do not contaminate ponds, waterways, or ditches with chemical or used container. Dispose of in accordance with local regulations.
CONTAMINATED PACKAGING:
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transportation Information

Transportation Regulation: 49 CFR (USA):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL
Transportation Regulation: IMDG (Vessel):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL
Transportation Regulation: IATA (Cargo Air):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL
Transportation Regulation: IATA (Passenger Air):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL
Transportation Regulation: TDG (Canada):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

15. Regulatory Information

EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.
SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.
SARA 311/312 Hazards:
No SARA Hazard.
SARA 302:
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313:
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
California Prop 65:
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
The components of this product are reported in the following inventories:

TSCA	On TSCA inventory.
DSL	This product contains one or several components that are not on the Canadian DSL nor NDSL.
AICS	Not in compliance with the inventory.
NZIoC	Not in compliance with the inventory.
PICCS	Not in compliance with the inventory.
IECSC	Not in compliance with the inventory.

Inventory Acronym and Validity Area Legend:
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.