HYUNDAI WHITE LITHIUM GREASE

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)
Issue date: 4/28/2026 Revision date: 4/28/2026

SECTION 1 Identification

1.1. Product identifier

Product form	:	Mixture
Trade name	:	HYUNDAI WHITE LITHIUM GREASE
Product code	:	9003B-HY
Aerosol	:	Aerosol

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture	:	Lubricant,Grease
Restrictions on use	:	For professional use only

1.4. Supplier's details

Petra Automotive Products, Inc.
11085 Regency Green Dr.
Cypress, TX 77429
USA
T (713) 856-5700
www.petraautoproducts.com

1.5. Emergency phone number

Emergency number	:	(Chemical Spills, Leaks, Fire, Exposure or Accident only): CHEMTREC 1-800-424-9300 (in the US), 1-703-527-3887 (Outside the US)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Aerosol, Category 1	H222;H229	Extremely flammable aerosol. Pressurized container; may burst if heated.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger

Hazard statements (GHS US) : H222 - Extremely flammable aerosol
H229 - Pressurized container; may burst if heated
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P261 - Avoid breathing spray, vapors.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves.
P302+P352 - If on skin: Wash with plenty of soap and water.
P332+P313 - If skin irritation occurs: Get medical attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a poison center or doctor if you feel unwell.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C).
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

None known

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : Very toxic to aquatic life with long lasting effects.

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

Mixtures

Name	Product identifier	Conc. (% w/w)
Heptane, branched, cyclic and linear	CAS-No.: 426260-76-6	30-60
Lithium stearate	CAS-No.: 4485-12-5	1-10
Distillates (petroleum), hydrotreated heavy naphthenic	CAS-No.: 64742-52-5	1-10
heptane, n-heptane	CAS-No.: 142-82-5	1-5
Titanium dioxide	CAS-No.: 13463-67-7	1-5

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

Comments : Titanium Dioxide is inextricably bound in the chemical matrix of this product and no exposure can occur.

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

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact : Take off contaminated clothing. Wash skin with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact : 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.

First-aid measures after ingestion : Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects : May cause minor eye irritation. Causes skin irritation. May cause drowsiness or dizziness. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation : May cause drowsiness or dizziness. At high concentrations, the vapors can be irritating to the respiratory system.

Skin : Causes skin irritation.

Eyes : May cause minor eye irritation.

Ingestion : Aspiration hazard. May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : Suspected of damaging fertility or the unborn child. May cause damage to organs (Neurologic effect, central nervous system) through prolonged or repeated exposure (Inhalation).

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Not required. Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide. Cool down the containers exposed to heat with a water spray.

Unsuitable extinguishing media : None.

5.2. Specific hazards arising from the chemical

Fire hazard : Extremely flammable aerosol. Contents under pressure. Keep away from open flames, hot surfaces and sources of ignition. Pressurized container: may burst if heated. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

Hazardous decomposition products in case of fire : On combustion, forms: carbon oxides (CO and CO2).

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Use shielding to protect from bursting cans. Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe aerosol. Avoid contact with eyes, skin and clothing.

For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing vapors. Avoid contact with skin and eyes. Do not breathe mist, vapors.

For emergency responders

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

Environmental precautions : Do not allow product to spread into the environment.

6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Absorb with an inert material and place in an appropriate waste disposal container.

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

For further information refer to section 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13 : "Disposal considerations".

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Ensure adequate ventilation. Do not breathe mist, vapours, spray. Avoid contact with eyes, skin and clothing. Use personal protective equipment as required. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handle in accordance with good industrial hygiene and safety procedures.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including incompatibilities

Technical measures : U.F.C. (NFPA 30B) Level III Aerosol.

Storage conditions : Do not expose to temperatures exceeding 50 °C/ 122 °F. Protect from sunlight. Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. U.F.C. (NFPA 30B) Level III Aerosol.

Storage temperature : < 50 °C

Specific end uses : Cleaner.

Material used in packaging/containers : Aerosol can.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	
USA - ACGIH® - Threshold Limit Values	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
ACGIH® TLV® TWA	5 mg/m³ (I - Inhalable particulate matter)
Remark (ACGIH®)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Oil mist, mineral
OSHA PEL (TWA)	5 mg/m³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

heptane, n-heptane (142-82-5)	
USA - ACGIH® - Threshold Limit Values	
Local name	Heptane, isomers (n-Heptane)
ACGIH® TLV® TWA	400 ppm
ACGIH® TLV® STEL	500 ppm
Remark (ACGIH®)	TLV® Basis: CNS impair; URT irr
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Heptane (n-Heptane)
OSHA PEL (TWA)	2000 mg/m³
	500 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Titanium dioxide (13463-67-7)	
USA - ACGIH® - Threshold Limit Values	
Local name	Titanium dioxide
ACGIH® TLV® TWA	0.2 mg/m³ (Nanoscale particles. R - Repirable particulate matter) 2.5 mg/m³ (Finescale particles. R - Repirable particulate matter)
Remark (ACGIH®)	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Titanium dioxide (Total dust)
OSHA PEL (TWA)	15 mg/m³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Environmental exposure controls : Do not allow product to spread into the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:
Chemically resistant protective gloves. Consult supplier for specific recommendations.

Eye protection:
Use suitable eye protection

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:

No respiratory protection needed under normal use conditions. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Thermal hazard protection:

Not applicable.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Aerosol can. Contains: White. Liquid.
Color	:	White
Odor	:	Sweet
Odor threshold	:	Not determined
pH	:	Not applicable
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	88 °C Component data
Flash point	:	≈ -84 (> -104 – < -60) °C Aerosol propellant
Flammability (solid, gas)	:	Extremely flammable aerosol.
Vapor pressure	:	Not determined
Relative vapor density at 20°C	:	No data available
Relative density	:	≈ 0.78
Density	:	Not determined
Solubility	:	Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	Not determined
Decomposition temperature	:	Not determined
Viscosity, kinematic	:	≥ 20.9 – ≤ 22 mm²/s Viscosity, kinematic (calculated value) (40 °C)
Explosion limits	:	Lower explosion limit: 1.1 Vol-% Toluene Upper explosion limit: 36 Vol-% Aerosol propellant
Explosive properties	:	Pressurized container. Heating may cause a fire or explosion.
Oxidizing properties	:	Not oxidising.
Particle characteristics	:	Particle characteristics : Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents. Acids. Strong bases.

10.6. Hazardous decomposition products

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

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	
LD50 oral rat	> 5000 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 5 mg/l

Lithium stearate (4485-12-5)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 420 method)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402 method)

heptane, n-heptane (142-82-5)	
LD50 oral rat	> 5000 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 29300 mg/m³

Titanium dioxide (13463-67-7)	
LD50 oral rat	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	5.09 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
pH: Not applicable

Serious eye damage/irritation : Not classified
pH: Not applicable

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified.
Titanium Dioxide is inextricably bound in the chemical matrix of this product and no exposure can occur.

Titanium dioxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

Heptane, branched, cyclic and linear (426260-76-6)	
STOT-single exposure	May cause drowsiness or dizziness.

heptane, n-heptane (142-82-5)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	
LOAEL (oral,rat,90 days)	125 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

heptane, n-heptane (142-82-5)	
LOAEC (inhalation,rat,vapor,90 days)	16.6 mg/l air Animal: rat, Animal sex: male
NOAEC (inhalation,rat,vapor,90 days)	3.3 mg/l air Animal: rat, Animal sex: male

Aspiration hazard : Not classified

HYUNDAI WHITE LITHIUM GREASE	
Aerosol	Aerosol
Viscosity, kinematic	≥ 20.9 – ≤ 22 mm²/s Viscosity, kinematic (calculated value) (40 °C)
Hydrocarbon	Yes

Symptoms/effects : May cause minor eye irritation. Causes skin irritation. May cause drowsiness or dizziness. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation : May cause drowsiness or dizziness. At high concentrations, the vapors can be irritating to the respiratory system.

Skin : Causes skin irritation.

Eyes : May cause minor eye irritation.

Ingestion : Aspiration hazard. May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : Suspected of damaging fertility or the unborn child. May cause damage to organs (Neurologic effect, central nervous system) through prolonged or repeated exposure (Inhalation).

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : Do not allow product to spread into the environment. Very toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short–term (acute) : Not applicable.

Hazardous to the aquatic environment, long–term (chronic) : Not applicable.

heptane, n-heptane (142-82-5)	
EC50 - Crustacea [1]	3.9 mg/l
LOEC (chronic)	0.32 mg/l Daphnia magna Duration: '21 d'
NOEC (chronic)	0.17 mg/l Daphnia magna Duration: '21 d'

Titanium dioxide (13463-67-7)	
LC50 - Fish [1]	> 1000 mg/l Pimephales promelas (Fathead minnow)
EC50 - Crustacea [1]	> 100 mg/l
EC50 - Crustacea [2]	27.8 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	> 100 mg/l Pseudokirchneriella subcapitata
NOEC (chronic)	≥ 2.92 mg/l Daphnia magna (Water flea)

12.2. Persistence and degradability

HYUNDAI WHITE LITHIUM GREASE	
Persistence and degradability	No additional information available.

Heptane, branched, cyclic and linear (426260-76-6)	
Persistence and degradability	Inherently biodegradable.

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	
Persistence and degradability	Inherently biodegradable.

Lithium stearate (4485-12-5)	
Persistence and degradability	Readily biodegradable.

heptane, n-heptane (142-82-5)	
Persistence and degradability	Readily biodegradable.

Titanium dioxide (13463-67-7)	
Persistence and degradability	Biodegradation is not applicable to inorganic compounds.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

Lithium stearate (4485-12-5)	
Mobility in soil	45.81

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation : Dispose in a safe manner in accordance with local/national regulations.

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Empty containers retain product residue and can be hazardous.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
UN1950	UN1950	1950	1950
14.2. Proper Shipping Name			
Aerosols	AEROSOLS	AEROSOLS	Aerosols, flammable

DOT	TDG	IMDG	IATA
Transport document description			
UN1950 Aerosols, 2.1	UN1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1
14.3. Transport hazard class(es)			
2.1	2.1	2.1	2.1
			
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT) : UN1950

TDG

UN-No. (TDG) : UN1950

Emergency Response Guide (ERG) Number : 126

IMDG

No data available

IATA

No data available

SECTION 15 Regulatory information

15.1. Federal regulations

HYUNDAI WHITE LITHIUM GREASE	
SARA Section 311/312 Hazard Classes	Refer to Section 2 for OSHA Hazard Classification.

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

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

15.2. International regulations

No additional information available

15.3. State regulations

HYUNDAI WHITE LITHIUM GREASE	
U.S. - California - Proposition 65 - Other information	Titanium Dioxide is inextricably bound in the chemical matrix of this product and no exposure can occur.

Component	State or local regulations
heptane, n-heptane(142-82-5)	U.S. - New Jersey - Right to Know Hazardous Substance List
Titanium dioxide(13463-67-7)	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16 Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

Revision date : 4/28/2026

Issue date : 4/28/2026

Full text of hazard classes and H-statements	
H222	Extremely flammable aerosol
H229	Pressurized container; may burst if heated
H315	Causes skin irritation
H336	May cause drowsiness or dizziness

Indication of changes:
New SDS.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.