

SAFETY DATA SHEET

SDS: 4140 **4140 H1 QUINPLEX® WHITE GEAR LUBRICANT**

Issuing Date 04-24-2012

Revision Date 04-08-2020

Revision Number 3

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name 4140 H1 QUINPLEX® WHITE GEAR LUBRICANT

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

Identified uses Lubricant

Uses advised against Consumer use

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

HH Compliance
Rubicon Centre,
CIT Campus,
Bishopstown,
Cork,
Ireland
T12 Y275
+353-21-4868121

Manufacturer

Lubrication Engineers Inc.
1919 E. Tulsa
Wichita, KS 67216
USA
800-537-7683

For further information, please contact

techsupport@le-inc.net

1.4. Emergency telephone number

Emergency Telephone CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

Austria	Vergiftungsinformationszentrale (AT): +43-(0)1-406 43 43
Belgium	Poison center (BE): +32 70 245 245
Denmark	Poison Control Hotline (DK): +45 82 12 12 12
Finland	Poison Information Centre (FI): +358 9 471 977
France	ORFILA (FR): + 01 45 42 59 59
Germany	Poison Center Berlin (DE): +49 030 30686 790
Ireland	National Poisons Information Centre (IE): +353 1 8379964
Italy	Poison Center, Milan (IT): +39 02 6610 1029
Netherlands	National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
Norway	Poisons Information (NO): + 47 22 591300
Poland	Poison Control and Information Centre, Warsaw (PL): +48 22 619 66 54; +48 22 619 08 97
Portugal	Poison Information Center (PT): +351 21 330 3284
Spain	Poison Information Service (ES): +34 91 562 04 20

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Sweden	Poisons Information Center (SV): +46 8 33 12 31
Switzerland	Poison Center: Tel 145; +41 44 251 51 51
United Kingdom	NHS Direct (UK): +44 0845 46 47

Section 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label Elements**Product Identifier**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Signal word

None

Hazard Statements

None

Precautionary Statements - EU (§28, 1272/2008)

None

2.3. Other Hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

The producer of "4140" declares that it contains less than 3% DMSO extractable material by IP-346

Full text of H- and EUH-phrases: see section 16**Section 4: FIRST AID MEASURES****4.1. Description of first aid measures****Inhalation**

Move to fresh air.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion

Drink plenty of water. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed**Symptoms**

None known.

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

Notes to Physician Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES**5.1. Extinguishing media**

Suitable Extinguishing Media Water spray, Carbon dioxide (CO₂), Foam, Dry chemical

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Flash Point 200 °C / 388.4 °F

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Personal Precautions Do not touch or walk through spilled material. Remove all sources of ignition.

6.2. Environmental precautions

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.3. Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning up Use personal protective equipment. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

6.4. Reference to other sections

See Section 12 for more information.

Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. For personal protection see section 8.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

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Technical measures/Storage conditions

Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational Exposure limits** . Contains no substances with occupational exposure limit values.**Derived No Effect Level (DNEL)** No information available**Predicted No Effect Concentration (PNEC)** No information available.**8.2. Exposure controls****Engineering Measures** Ensure adequate ventilation, especially in confined areas.**Personal protective equipment****Eye/Face Protection**

No special protective equipment required.

Hand Protection

No special protective equipment required.

Skin and Body Protection

No special protective equipment required.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental Exposure Controls No information available.**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Physical state	liquid
appearance	transparent
Odor	Hydrocarbon-like
Odor threshold	No information available

Property	Values
pH	6 - 8
Melting Point / Freezing Point	No data available
Boiling point / boiling range	No data available
Flash Point	200 °C / 388.4 °F
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapor pressure	No data available
Vapor Density	< 1 (Air = 1)
Specific Gravity	0.8898
Water solubility	negligible
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity, kinematic	459.0 cSt @ 40°C

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Explosive properties

No data available

Oxidizing Properties

No data available

Section 10: STABILITY AND REACTIVITY**10.1. Reactivity**

None known.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data**Sensitivity to Mechanical Impact** Not impact sensitive.**Sensitivity to Static Discharge** May be ignited by friction, heat, sparks or flames.**10.3. Possibility of hazardous reactions****Hazardous reactions**

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

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

Section 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute Toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

The producer of "4140" declares that it contains less than 3% DMSO extractable material by IP-346

Inhalation

May cause irritation of respiratory tract.

Eye Contact

Contact with eyes may cause irritation.

Skin Contact

May cause irritation.

Ingestion

There is no data available for this product.

Unknown Acute Toxicity

98.3% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document**ATEmix (oral)**

13,742.90 mg/kg

ATEmix (dermal)

6,161.60 mg/kg

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Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated heavy paraffinic	> 15 g/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Coconut Oil	> 5000 mg/kg (Rat)	-	-
Petroleum distillates, hydrotreated middle	= 7400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 4.6 mg/L (Rat) 4 h
methylene bis(dibutyldithiocarbamate)	= 16000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	> 5000 mg/kg (Rat)	-	-
Alkylated Diphenylamines	> 10250 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	> 1.95 mg/L (Rat) 4 h
Sulfur containing Sterically Hindered Phenol	= 6300 mg/kg (Rat)	-	-

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenic Effects	No information available
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	Respiratory system, Eyes, Skin.
Aspiration Hazard	No information available.

Section 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Ecotoxicity None known

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential**12.4. Mobility in soil**

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Mobility in soil No information available.**Mobility** The product is insoluble and floats on water.**12.5. Results of PBT and vPvB assessment**

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods****Waste from Residues/Unused Products** Dispose of in accordance with local regulations.**Contaminated Packaging** Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.**Section 14: TRANSPORT INFORMATION****IMDG** Not regulated**ADR/RID** Not regulated**ICAO/IATA** Not regulated**Section 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water hazard class (WGK)** 3**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Not determined
ENCS	Not determined
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

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EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**15.2. Chemical safety assessment** No information available**Section 16: OTHER INFORMATION****Full text of H-Statements referred to under sections 2 and 3**

No information available

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The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

SDS is available at www.LElubricants.com**End of Safety Data Sheet**