



VISCOSITY TUTELA Gear Oil SAE 85W-140

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations, Hazardous Products Regulations (SOR/2015-17) / Règlement sur les produits dangereux (DORS/2015-17)
Issue date: 8/8/2019 Revision date: 8/20/2021 Supersedes: 12/4/2020 Version: 2.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Name : VISCOSITY TUTELA Gear Oil SAE 85W-140

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Lubricant
Restrictions on use : No additional information available

1.3. Supplier

Supplier

Viscosity Oil Company
600 H Joliet Road
Willowbrook, IL 60527
T 630-850-4000 - F 630-850-4022

Importer

Viscosity Oil Company
1918 Boul.Saint-Regis
Dorval, QC H9P 1H6 - Canada

1.4. Emergency telephone number

Emergency number : (800) 424-9300
CHEMTREC (24 HOURS)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS)

- 1% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
- 1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
- 1% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% (w/w)	GHS classification
Residual Oils (petroleum), Solvent Dewaxed (DMSO <3%)	CAS-No.: 64742-62-7	60 - 100	Not classified
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (KV > 20.5 cSt)	CAS-No.: 64742-54-7	10 - 30	Not classified
Long-chain alkyl amine (HMIRA Reg. No. 9939; Filing date 4/11/2016)	CAS-No.: trade secret	0.1 - <1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

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

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SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin thoroughly with mild soap and water. 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.
First-aid measures after ingestion	: Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: Inhalation of vapors may cause respiratory irritation.
Symptoms/effects after skin contact	: Prolonged or repeated contact may cause skin to become dry or cracked.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Dry powder. Foam. Carbon dioxide. Water fog.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

5.2. Specific hazards arising from the chemical

Fire hazard	: Burning produces irritating, toxic and noxious fumes.
Explosion hazard	: Product is not explosive.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid all eye and skin contact and do not breathe vapor and mist. Always approach spills or fires from upwind/uphill.
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6.1.1. For non-emergency personnel

Protective equipment	: Chemical goggles or safety glasses. Wear suitable protective clothing and gloves.
Emergency procedures	: Evacuate unnecessary personnel. Stop leak, if possible without risk.

6.1.2. For emergency responders

Protective equipment	: Chemical goggles or safety glasses. Wear suitable protective clothing and gloves.
Emergency procedures	: Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Absorb and/or contain spill with inert material, then place in suitable container.

6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid all eye and skin contact and do not breathe vapor and mist.
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Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.
Incompatible products : Strong oxidizers.
Prohibitions on mixed storage : Keep away from incompatible materials.
Storage area : Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

VISCOSITY TUTELA Gear Oil SAE 85W-140	
No additional information available	
Residual Oils (petroleum), Solvent Dewaxed (DMSO <3%) (64742-62-7)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Oil mist
ACGIH TWA (mg/m ³)	5 mg/m ³
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (KV > 20.5 cSt) (64742-54-7)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Oil mist
ACGIH TWA (mg/m ³)	5 mg/m ³
ACGIH STEL (mg/m ³)	10 mg/m ³
USA - OSHA - Occupational Exposure Limits	
Local name	Oil mist
OSHA PEL (TWA) [1]	5 mg/m ³
Long-chain alkyl amine (HMIRA Reg. No. 9939; Filing date 4/11/2016) (trade secret)	
No additional information available	

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:
Use rubber gloves.
Eye protection:
Chemical goggles or safety glasses
Respiratory protection:
Where excessive vapour may result, wear approved mask. Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material

Other information:

Do not eat, drink or smoke when using this product.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: amber
Odor	: petroleum
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: -20 °C
Boiling point	: No data available
Flash point	: 210 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.89 @ 15.5 °C
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 350 mm ² /s @ 40 °C
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

hydrocarbons. Carbon dioxide. Carbon monoxide.

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

VISCOSITY TUTELA Gear Oil SAE 85W-140	
Unknown acute toxicity (GHS)	1% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 1% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

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Residual Oils (petroleum), Solvent Dewaxed (DMSO <3%) (64742-62-7)	
LD50 Oral rat	> 5000 mg/kg
LD50 Dermal rat	> 2000 mg/kg
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (KV > 20.5 cSt) (64742-54-7)	
LD50 Oral rat	> 5000 mg/kg
LD50 Dermal rabbit	> 2000 mg/kg
LC50 Inhalation rat	> 5.53 mg/l/4h
ATE (dust, mist)	5.55 mg/l/4h
Long-chain alkyl amine (HMIRA Reg. No. 9939; Filing date 4/11/2016) (trade secret)	
LD50 Oral rat	612 mg/kg
LD50 Dermal rat	251 mg/kg
LC50 Inhalation rat [ppm]	157 ppm/4h
ATE (oral)	612 mg/kg body weight
ATE (dermal)	251 mg/kg body weight
ATE (gases)	157 ppmV/4h
ATE (vapors)	0.5 mg/l/4h
ATE (dust, mist)	0.05 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified. (Long-chain alkyl amine not sensitizing <1.5%)
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: 350 mm ² /s @ 40 °C
Likely routes of exposure	: Skin and eye contact. Inhalation.
Symptoms/effects after inhalation	: Inhalation of vapors may cause respiratory irritation.
Symptoms/effects after skin contact	: Prolonged or repeated contact may cause skin to become dry or cracked.

SECTION 12: Ecological information

12.1. Toxicity

Residual Oils (petroleum), Solvent Dewaxed (DMSO <3%) (64742-62-7)	
NOEC (acute)	≥ 100 mg/l
Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (KV > 20.5 cSt) (64742-54-7)	
EC50 crustacea	> 10000 mg/l

12.2. Persistence and degradability

VISCOSITY TUTELA Gear Oil SAE 85W-140	
Persistence and degradability	Not established.
Residual Oils (petroleum), Solvent Dewaxed (DMSO <3%) (64742-62-7)	
Persistence and degradability	Readily biodegradable. Product persists.

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12.3. Bioaccumulative potential

VISCOSITY TUTELA Gear Oil SAE 85W-140	
Bioaccumulative potential	Not established.
Residual Oils (petroleum), Solvent Dewaxed (DMSO <3%) (64742-62-7)	
Bioaccumulative potential	Bioaccumulative potential.

12.4. Mobility in soil

VISCOSITY TUTELA Gear Oil SAE 85W-140	
Ecology - soil	Not established.
Residual Oils (petroleum), Solvent Dewaxed (DMSO <3%) (64742-62-7)	
Ecology - soil	This material has low solubility and floats and is not expected to partition to water. Absorbs to soil particles and will not be mobile.

12.5. Other adverse effects

Other information : No additional information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Sewage disposal recommendations : Do not dispose of waste into sewer.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT / TDG

Department of Transportation (DOT)

In accordance with DOT

Not regulated.

Transportation of Dangerous Goods

Not regulated.

Transport by sea

Not regulated.

Air transport

Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations

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

CANADA

Residual Oils (petroleum), Solvent Dewaxed (DMSO <3%) (64742-62-7)
Listed on the Canadian DSL (Domestic Substances List)

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Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (KV > 20.5 cSt) (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Residual Oils (petroleum), Solvent Dewaxed (DMSO <3%) (64742-62-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (KV > 20.5 cSt) (64742-54-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

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Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Residual Oils (petroleum), Solvent Dewaxed (DMSO <3%) (64742-62-7)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on Taiwan National Chemical Inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (KV > 20.5 cSt) (64742-54-7)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on Taiwan National Chemical Inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Long-chain alkyl amine (HMIRA Reg. No. 9939; Filing date 4/11/2016) (trade secret)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.3. US State regulations

⚠ WARNING: This product can expose you to Ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Ethylene oxide(75-21-8)	X	X	X	X	2 µg/day	20 µg/day
Propylene oxide(75-56-9)	X					
1,4-dioxane(123-91-1)	X				30 µg/day	
Ethyl acrylate(140-88-5)	X				not determined	

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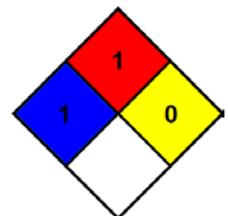
SECTION 16: Other information

Revision date : 08/20/2021
Data sources : ACGIH (American Conference of Government Industrial Hygienists). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. NIOSH Occupational Health Guide for chemical Substances - Vol. II, September, 1978. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.
Other information : None.

Full text of H-phrases	
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H330	Fatal if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Abbreviations and acronyms	
	ACGIH (American Conference of Government Industrial Hygienists)
	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	OSHA: Occupational Safety & Health Administration
	TSCA: Toxic Substances Control Act
	STEL: Short Term Exposure Limits
	TWA: Time Weighted Average

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



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Indication of changes:			
Section	Changed item	Change	Comments
3	Composition/Information on ingredients	Added	
8	Occupational Exposure Limits	Added	Oil Mist

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.