



TUTELA POWERSHIFT HD (SAE 10W, SAE 30)

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
according to Canadian WHMIS

Date of issue: 03/23/2016 Revision date: 04/14/2016 Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : TUTELA POWERSHIFT HD (SAE 10W, SAE 30)

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

Use of the substance/mixture : Lubricant
Additive

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

Emergency number : (800) 434-9300
CHEMTREC (24 HOURS)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2 H315

Eye Irrit. 2B H320

Full text of H statements : see section 16

Canadian WHMIS classification

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H315 - Causes skin irritation

H320 - Causes eye irritation

Precautionary statements (GHS-US) :

P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective gloves
P302+P352 - If on skin: Wash with plenty of water
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P321 - Specific treatment (see First aid measures on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse

Canadian WHMIS labelling



2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

0.12 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

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0.12 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Highly Refined Mineral Oil (DMSO <3%)	(CAS No) 64742-01-4, 64742-54-7, 64742-58-1, 64741-88-4, 72623-84-8, 72623-87-1, 64742-46-7, 64742-57-0, 64742-62-7, 64741-89-5, 72623-85-9, 8042-47-5, 64742-52-5, 64742-55-8, 64742-65-0, 72623-83-7, 72623-86-0	> 70	Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Asp. Tox. 1, H304

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

Full text of H-statements: see section 16

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

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

- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes eye irritation.
- Symptoms/injuries after ingestion : Diarrhea. Nausea. Vomiting.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Burning produces irritating, toxic and noxious fumes.
- Explosion hazard : Product is not explosive. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Reactivity : No dangerous reactions known.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Do not allow run-off from fire fighting to enter drains or water courses. Move containers away from the fire area if this can be done without risk.
- Protection during firefighting : Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.
- Other information : Floats on water.

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 vapour and mist.

6.1.1. For non-emergency personnel

- Protective equipment : Refer to section 8.2.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Refer to section 8.2.

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Emergency procedures : Ventilate area. Stop leak if safe to do so.

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 vapour and mist.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.

Incompatible products : Strong acids. Strong bases. Strong oxidizers.

Heat and ignition sources : Keep away from heat, sparks and flame.

Prohibitions on mixed storage : Incompatible materials.

Storage area : Store in dry, cool, well-ventilated area.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

TUTELA POWERSHIFT HD (SAE 10W, SAE 30)		
ACGIH	Not applicable	
OSHA	Not applicable	
Highly Refined Mineral Oil (DMSO <3%) (64742-01-4, 64742-54-7, 64742-58-1, 64741-88-4, 72623-84-8, 72623-87-1, 64742-46-7, 64742-57-0, 64742-62-7, 64741-89-5, 72623-85-9, 8042-47-5, 64742-52-5, 64742-55-8, 64742-65-0, 72623-83-7, 72623-86-0)		
ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ oil mist
ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³ oil mist
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ oil mist

8.2. Exposure controls

Appropriate engineering controls : Avoid splashing. Use only outdoors or in a well-ventilated area.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear suitable gloves resistant to chemical penetration.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : None under normal use. In case of insufficient ventilation, wear suitable respiratory equipment. Approved respirator.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : amber

Odour : mild petroleum

Odour threshold : No data available

pH : No data available

Melting point : No data available

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Freezing point	: No data available
Boiling point	: > 260 °C
Flash point	: > 185 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: < 0.1 mm Hg @ 20 °C
Relative density	: 12.05
Relative vapour density at 20 °C	: No data available
Solubility	: Negligible.
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: 40 - 100 cSt @ 40 °C
Viscosity, dynamic	: 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.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Inhalation; Skin and eyes contact

Acute toxicity : Not classified

Highly Refined Mineral Oil (DMSO <3%) (64742-01-4, 64742-54-7, 64742-58-1, 64741-88-4, 72623-84-8, 72623-87-1, 64742-46-7, 64742-57-0, 64742-62-7, 64741-89-5, 72623-85-9, 8042-47-5, 64742-52-5, 64742-55-8, 64742-65-0, 72623-83-7, 72623-86-0)

LD50 oral rat : > 5000 mg/kg

LD50 dermal rabbit : > 5000 mg/kg

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes eye irritation.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

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Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes eye irritation.
Symptoms/injuries after ingestion	: Diarrhea. Nausea. Vomiting.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Highly Refined Mineral Oil (DMSO <3%) (64742-01-4, 64742-54-7, 64742-58-1, 64741-88-4, 72623-84-8, 72623-87-1, 64742-46-7, 64742-57-0, 64742-62-7, 64741-89-5, 72623-85-9, 8042-47-5, 64742-52-5, 64742-55-8, 64742-65-0, 72623-83-7, 72623-86-0)

Persistence and degradability	Not readily biodegradable.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment 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.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not considered a dangerous good for transport regulations

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

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WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects This document has been prepared in accordance with the SDS requirements of the WHMIS Controlled Products Regulation
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EU-Regulations

No additional information available

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National regulations

No additional information available

15.3. US State regulations

No additional information available

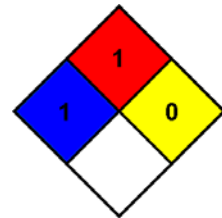
SECTION 16: Other information

Revision date	: 04/14/2016
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 . Kristen Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. Manufacturer Information. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at http://www.epa.gov/oppt/existingchemicals/pubs/tscaiinventory/howto.html .
Abbreviations and acronyms	: ATE: Acute Toxicity Estimate. CAS (Chemical Abstracts Service) number. 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. STEL: Short Term Exposure Limits. TSCA: Toxic Substances Control Act. TWA: Time Weighted Average.
Other information	: None.

Full text of H-statements:

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H320	Causes eye irritation

NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Indication of changes:

Product identifier.

Redstone SDS US GHS CAN WHMIS for Viscosity Oil

SDS Prepared by: The Redstone Group, LLC
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Suite 206
Dublin, OH 43016
T 614-923-7472
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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