



CNH Tutela Axle Oil Additive

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
according to Canada Hazardous Products Regulation (HPR)

Date of issue: 06/09/2015 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : CNH Tutela Axle Oil Additive

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

Use of the substance/mixture : 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 classification

Skin Sens. 1 H317

Full text of H-statements: see section 16

2.2. Label elements

GHS labelling

Hazard pictograms (GHS) :



GHS07

Signal word (GHS) : Warning
Hazard statements (GHS) : H317 - May cause an allergic skin reaction
Precautionary statements (GHS) : P261 - Avoid breathing mist, spray, vapours
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective clothing, protective gloves
P302+P352 - If on skin: Wash with plenty of water
P321 - Specific treatment (see First aid measures on this label)
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P501 - Dispose of contents/container to an authorised waste collection point

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS)

40.37 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
40.37 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
40.37 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

CNH Tutela Axle Oil Additive

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
according to Canada Hazardous Products Regulation (HPR)

3.2. Mixture

| Name | Product identifier | % (w/w) | GHS classification |
|---|----------------------|-------------|---|
| Calcium long chain alkaryl sulfonate | (CAS No) 722503-68-6 | 29.7 - 39.6 | Skin Sens. 1, H317 Aquatic Chronic 4, H413 |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | (CAS No) 64742-65-0 | 0 - 32.3612 | Asp. Tox. 1, H304 (DMSO <3%) |
| Benzenesulfonic acid, propenated, calcium salt, overbased | (CAS No) 68610-84-4 | 0.34272 | Skin Sens. 1, H317 |
| 2,6-Di-tert-butyl-4-methylphenol | (CAS No) 128-37-0 | 0.17136 | STOT RE 2, H373 Aquatic Acute 1, H400 |

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 victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water.
- First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Get medical advice/attention if you feel unwell.

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

- Symptoms/injuries after skin contact : May cause an allergic skin reaction.

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

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Foam. Dry powder. Water spray. Water fog.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No particular fire or explosion hazard.
- Explosion hazard : Product is not explosive.
- Reactivity : No dangerous reactions known.

5.3. Advice for firefighters

- Firefighting instructions : Do not allow run-off from fire fighting to enter drains or water courses. Cool adjacent structures and containers with water spray to protect and prevent ignition.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus.

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 : Chemical goggles or safety glasses. Wear suitable protective clothing and gloves.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Chemical goggles or safety glasses. Wear suitable protective clothing and gloves.
- 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. Stop the flow of material, if this is without risk.
- Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container.

CNH Tutela Axle Oil Additive

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
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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 : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use.
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)

Additive.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| CNH Tutela Axle Oil Additive | | |
|--|-------------------------------------|---------------------|
| ACGIH | Not applicable | |
| OSHA | Not applicable | |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | | |
| ACGIH | ACGIH TWA (mg/m ³) | 5 |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 5 mg/m ³ |
| Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4) | | |
| ACGIH | Not applicable | |
| OSHA | Not applicable | |
| 2,6-Di-tert-butyl-4-methylphenol (128-37-0) | | |
| ACGIH | ACGIH TWA (mg/m ³) | 2 mg/m ³ |
| ACGIH | Remark (ACGIH) | URT irr |
| OSHA | Not applicable | |
| DNEL | DNEL | 0.5 ppm Dermal |
| PNEC | PNEC | 199 mg/l Freshwater |
| Calcium long chain alkaryl sulfonate (722503-68-6) | | |
| ACGIH | Not applicable | |
| OSHA | Not applicable | |

8.2. Exposure controls

Appropriate engineering controls : Avoid creating mist or spray. Ensure good ventilation of the work station.
Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Use rubber gloves.
Eye protection : In case of splashing or aerosol production: protective goggles.
Skin and body protection : Long sleeved protective clothing.
Respiratory protection : In case of inadequate ventilation wear respiratory protection. Wear appropriate mask.
Environmental exposure controls : Prevent leakage or spillage.
Other information : Do not eat, drink or smoke when using this product.

CNH Tutela Axle Oil Additive

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Liquid |
| Colour | : dark brown |
| Odour | : petroleum |
| Odour threshold | : No data available |
| pH | : No data available |
| Melting point | : -34 °C |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : > 200 °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 | : No data available |
| Relative density | : 0.92 |
| Relative vapour density at 20 °C | : No data available |
| Solubility | : Water: < 1 % |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : 206 cSt @ 40 °C |
| Viscosity, kinematic | : No data available |
| 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). hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Inhalation; Skin and eye contact

Acute toxicity : Not classified

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|--|--------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |

CNH Tutela Axle Oil Additive

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
according to Canada Hazardous Products Regulation (HPR)

| Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 5000 mg/kg bodyweight |
| LC50 inhalation rat (mg/l) | > 1.9 mg/l/4h read-across Sulfonic acids, petroleum, calcium salts, overbased |

| 2,6-Di-tert-butyl-4-methylphenol (128-37-0) | |
|--|---------------------------|
| LD50 oral rat | 6000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| ATE US (oral) | 6000.000 mg/kg bodyweight |

| | |
|--|--|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified. |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |

| 2,6-Di-tert-butyl-4-methylphenol (128-37-0) | |
|--|---|
| NOAEL (oral, rat, 90 days) | 25 mg/kg bodyweight/day Digestive, live, urogenital, kidneys, glandular, thyroids, adrenal gland. |

| | |
|--------------------------------------|--|
| Aspiration hazard | : Not classified |
| Symptoms/injuries after skin contact | : May cause an allergic skin reaction. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-----------------|---|
| Ecology – water | : May cause long lasting harmful effects to aquatic life. |
|-----------------|---|

| 2,6-Di-tert-butyl-4-methylphenol (128-37-0) | |
|--|------------|
| LC50 fish 1 | 0.199 |
| EC50 Daphnia 1 | 0.48 mg/l |
| EC50 other aquatic organisms 1 | 0.758 mg/l |
| NOEC (acute) | 0.15 mg/l |

12.2. Persistence and degradability

| CNH Tutela Axle Oil Additive | |
|-------------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|------------------|
| Persistence and degradability | Not established. |

| Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4) | |
|---|----------------------------|
| Persistence and degradability | Not readily biodegradable. |

| 2,6-Di-tert-butyl-4-methylphenol (128-37-0) | |
|--|--|
| Persistence and degradability | Not readily biodegradable. May cause long-term adverse effects in the environment. |

12.3. Bioaccumulative potential

| Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0) | |
|---|------------------|
| Bioaccumulative potential | Not established. |

| Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4) | |
|---|------------|
| BCF fish 1 | 0.001 mg/l |
| BCF fish 2 | 0.01 mg/l |
| Log Kow | 5.7 - 5.8 |

| 2,6-Di-tert-butyl-4-methylphenol (128-37-0) | |
|--|--------------------------------------|
| Log Pow | 5.2 |
| Bioaccumulative potential | This product is not bioaccumulating. |

CNH Tutela Axle Oil Additive

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
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12.4. Mobility in soil

2,6-Di-tert-butyl-4-methylphenol (128-37-0)

| | |
|----------------|---|
| Ecology - soil | Absorbs to soil particles and will not be mobile. |
|----------------|---|

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

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

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

2,6-Di-tert-butyl-4-methylphenol (128-37-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Calcium long chain alkaryl sulfonate (722503-68-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4)

Listed on the Canadian DSL (Domestic Substances List) inventory.

2,6-Di-tert-butyl-4-methylphenol (128-37-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Calcium long chain alkaryl sulfonate (722503-68-6)

Not listed on the Canadian DSL (Domestic Substances List) inventory.
Not listed on the Canadian Non-Domestic Substances List (NDSL).

EU-Regulations

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

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

CNH Tutela Axle Oil Additive

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
according to Canada Hazardous Products Regulation (HPR)

Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4)

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

2,6-Di-tert-butyl-4-methylphenol (128-37-0)

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

Calcium long chain alkaryl sulfonate (722503-68-6)

Polymer exempt from EINECS.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Sens. 1 H317

Aquatic Chronic 4 H413

Full text of H-statements: see section 16

National regulations

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

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

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on Taiwan National Chemical Inventory

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

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

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

Benzenesulfonic acid, propenated, calcium salt, overbased (68610-84-4)

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

Not listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on Taiwan National Chemical Inventory

Listed on KECI (Korean Existing Chemicals Inventory)

Not listed on Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

2,6-Di-tert-butyl-4-methylphenol (128-37-0)

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

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the AICS (Australian Inventory of Chemical Substances)

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

Listed on the Korean ECL (Existing Chemicals List)

Listed on Taiwan National Chemical Inventory

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

15.3. US State regulations

No additional information available

SECTION 16: Other information

Indication of changes

: Original Document.

Data sources

: ACGIH (American Conference of Government Industrial Hygienists).

Canadian Centre for Occupational Health and Safety. Accessed at:

http://www.ccohs.ca/oshanswers/legisl/whmis_classifi.html.

European Chemicals Agency (ECHA) C&L Inventory database. Accessed at

<http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>.

National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition.

Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.

OSHA 29CFR 1910.1200 Hazard Communication Standard.

TSCA Chemical Substance Inventory. Accessed at

<http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

CNH Tutela Axle Oil Additive

Safety Data Sheet

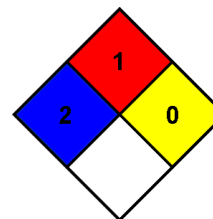
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| | |
|----------------------------|---|
| Abbreviations and acronyms | : ATE: Acute Toxicity Estimate. CAS (Chemical Abstracts Service) number. CFR: Code of Federal Regulations. CLP: Classification, Labelling, Packaging. EC50: Environmental Concentration 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. TWA: Time Weight Average. STEL: Short Term Exposure Limits. |
| Other information | : None. |

Full text of H-statements:

| | |
|-------------------|---|
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment — Chronic Hazard, Category 4 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Carc. 1B | Carcinogenicity, Category 1B |
| Skin Sens. 1 | Sensitisation — Skin, category 1 |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 |
| H304 | May be fatal if swallowed and enters airways |
| H317 | May cause an allergic skin reaction |
| H350 | May cause cancer |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H413 | May cause long lasting harmful effects to aquatic life |

| | |
|--------------------|--|
| NFPA health hazard | : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention 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. |



Redstone SDS US GHS for Viscosity Oil

SDS Prepared by: The Redstone Group, LLC
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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