



AkcelA L-8445 Load Absorber Test Fluid

Safety Data Sheet

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

Date of issue: 12/01/2015 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : AkcelA L-8445 Load Absorber Test Fluid

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

Use of the substance/mixture : Lubricant

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 Sens. 1 H317

Full text of H statements : see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H317 - May cause an allergic skin reaction
Precautionary statements (GHS-US) : P261 - Avoid breathing mist, vapours
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective gloves
P302+P352 - If on skin: Wash with plenty of water, soap
P321 - Specific treatment (see First aid measures on this label)
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P363 - Wash contaminated clothing 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 US)

1.89 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
1.89 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
1.69 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

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Name	Product identifier	%	GHS-US classification
Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%)	(CAS No) 64742-65-0	0 – 95	Asp. Tox. 1, H304
Calcium long chain alkaryl sulfonate	(CAS No) trade secret	1 – 2	Skin Sens. 1, H317 Aquatic Chronic 4, H413
Benzenesulfonic acid, propenated, calcium salt, overbased	(CAS No) trade secret	0.1 – 1	Skin Sens. 1, H317
Di-tert-butyl-4-methylphenol	(CAS No) trade secret	0.1 – 1	STOT RE 2, H373 Aquatic Acute 1, H400
Dipropylene glycol dibenzoate	(CAS No) trade secret	0.1 – 1	Aquatic Acute 1, H400
alkyl phosphate, alkenyl amine salts	(CAS No) trade secret	0.1 – 1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT RE 2, H373 Aquatic Chronic 1, H410

*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. If you feel unwell, seek medical advice (show the label where possible).
- 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 or rash 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. Call a POISON CENTER or doctor/physician 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. May cause slight irritation.
- Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
- Symptoms/injuries after ingestion : Diarrhea. Abdominal cramps.

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 heavy water stream.

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.
- 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.
- Protection during firefighting : Wear fire/flamm resistant/retardant clothing. 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 : Wear suitable gloves.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Wear suitable gloves.
- Emergency procedures : Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or the environment.

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6.3. Methods and material for containment and cleaning up

- For containment : Do not allow minor leaks or spills to accumulate on walking surfaces. 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 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. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

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

Lubricant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

AkcelA L-8445 Load Absorber Test Fluid		
ACGIH	Not applicable	
OSHA	Not applicable	
Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (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 (trade secret)		
ACGIH	Not applicable	
OSHA	Not applicable	
Di-tert-butyl-4-methylphenol (trade secret)		
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
alkyl phosphate, alkenyl amine salts (trade secret)		
ACGIH	Not applicable	
OSHA	Not applicable	
Calcium long chain alkaryl sulfonate (trade secret)		
ACGIH	Not applicable	
OSHA	Not applicable	
Dipropylene glycol dibenzoate (trade secret)		
ACGIH	Not applicable	
OSHA	Not applicable	

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8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear suitable gloves resistant to chemical penetration. nitrile rubber gloves. neoprene gloves.
Eye protection	: In case of splashing or aerosol production: protective goggles.
Respiratory protection	: None under normal use.
Environmental exposure controls	: Prevent contaminated water run-off. Prevent leakage or spillage.
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	: Dark
Odour	: petroleum
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 196.11 °C
Relative evaporation rate (butyl acetate=1)	: 0.001
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: 0.12 mm Hg
Relative density	: 0.9
Relative vapour density at 20 °C	: No data available
Solubility	: No data available
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	: 60 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

None known.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

None known.

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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 (DMSO < 3%) (64742-65-0)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Benzenesulfonic acid, propenated, calcium salt, overbased (trade secret)

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

Di-tert-butyl-4-methylphenol (trade secret)

LD50 oral rat	6000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	6000.000 mg/kg bodyweight

Dipropylene glycol dibenzoate (trade secret)

LD50 oral rat	3295 - 5072 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 200 mg/l
ATE US (oral)	3295.000 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

Di-tert-butyl-4-methylphenol (trade secret)

NOAEL (oral, rat, 90 days)	25 mg/kg bodyweight/day Digestive, live, urogenital, kidneys, glandular, thyroids, adrenal gland.
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Aspiration hazard : Not classified
Symptoms/injuries after skin contact : May cause an allergic skin reaction. May cause slight irritation.
Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion : Diarrhea. Abdominal cramps.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

Di-tert-butyl-4-methylphenol (trade secret)

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

Dipropylene glycol dibenzoate (trade secret)

LC50 fish 1	0.25 mg/l
NOEC (acute)	0.06 mg/l

12.2. Persistence and degradability

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Persistence and degradability	May cause long-term adverse effects in the environment.
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Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)

Persistence and degradability	Not established.
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Benzenesulfonic acid, propenated, calcium salt, overbased (trade secret)	
Persistence and degradability	Not readily biodegradable.
Di-tert-butyl-4-methylphenol (trade secret)	
Persistence and degradability	Not readily biodegradable. May cause long-term adverse effects in the environment.
Dipropylene glycol dibenzoate (trade secret)	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)	
Bioaccumulative potential	Not established.
Benzenesulfonic acid, propenated, calcium salt, overbased (trade secret)	
BCF fish 1	0.001 mg/l
BCF fish 2	0.01 mg/l
Log Kow	5.7 - 5.8
Di-tert-butyl-4-methylphenol (trade secret)	
Log Pow	5.2
Bioaccumulative potential	This product is not bioaccumulating.
Dipropylene glycol dibenzoate (trade secret)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

Di-tert-butyl-4-methylphenol (trade secret)	
Ecology - soil	Absorbs to soil particles and will not be mobile.

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

Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Benzenesulfonic acid, propenated, calcium salt, overbased (trade secret)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Di-tert-butyl-4-methylphenol (trade secret)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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alkyl phosphate, alkenyl amine salts (trade secret)

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

Calcium long chain alkaryl sulfonate (trade secret)

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

Dipropylene glycol dibenzoate (trade secret)

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

15.2. International regulations

CANADA

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WHMIS Classification

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

Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)

Listed on the Canadian DSL (Domestic Substances List) inventory

Benzenesulfonic acid, propenated, calcium salt, overbased (trade secret)

Listed on the Canadian DSL (Domestic Substances List) inventory

Di-tert-butyl-4-methylphenol (trade secret)

Listed on the Canadian DSL (Domestic Substances List) inventory

alkyl phosphate, alkenyl amine salts (trade secret)

Listed on the Canadian DSL (Domestic Substances List) inventory

Calcium long chain alkaryl sulfonate (trade secret)

Not listed on the Canadian DSL (Domestic Substances List) inventory

Dipropylene glycol dibenzoate (trade secret)

Listed on the Canadian DSL (Domestic Substances List) inventory

EU-Regulations

Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (64742-65-0)

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

Benzenesulfonic acid, propenated, calcium salt, overbased (trade secret)

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

Di-tert-butyl-4-methylphenol (trade secret)

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

alkyl phosphate, alkenyl amine salts (trade secret)

Not listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Dipropylene glycol dibenzoate (trade secret)

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

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

Skin Sens. 1 H317

Aquatic Chronic 3 H412

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

National regulations

Distillates (petroleum), solvent-dewaxed heavy paraffinic (DMSO < 3%) (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 (trade secret)

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)

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Di-tert-butyl-4-methylphenol (trade secret)

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)

Calcium long chain alkaryl sulfonate (trade secret)

Polymer exempt from EINECS
Not listed on the Canadian Non-Domestic Substances List (NDSL)

Dipropylene glycol dibenzoate (trade secret)

Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on Taiwan National Chemical Inventory
Listed on KECI (Korean Existing Chemicals Inventory)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

15.3. US State regulations

No additional information available

SECTION 16: Other information

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 . Kriester 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. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html .
Abbreviations and acronyms	: 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. STEL: Short Term Exposure Limits. TSCA: Toxic Substances Control Act. TWA: Time Weighted Average.
Other information	: None.

Full text of H-statements:

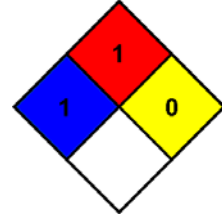
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

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- 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.



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