



Case AkcelA Unitek No. 1 Engine Oil SSL SAE 0W-40

Safety Data Sheet

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

Date of issue: 06/20/2013

Revision date: 03/26/2015

Version: 2.0

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

1.1. Product identifier

Product form : Mixture
Product name : Case AkcelA Unitek No. 1 Engine Oil SSL SAE 0W-40

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 : CHEMTREC (24 HOURS): 800-424-9300 (US) ; 01-800-681-9531 (MX)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Eye Irrit. 2A H319
Skin Sens. 1 H317
Repr. 1B H360

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H360 - May damage fertility or the unborn child

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing mist, vapours
P264 - Wash hands thoroughly after handling
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective clothing, 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
P308+P313 - If exposed or concerned: Get medical advice/attention
P321 - Specific treatment (see First aid measures on this label)
P333+P313 - If skin irritation or rash 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
P405 - Store locked up
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)

Not applicable

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	% (w/w)	GHS-US classification
1-Decene, homopolymer, hydrogenated	(CAS No) 68037-01-4	58.782 - 60.88	Asp. Tox. 1, H304
Distillates (petroleum), solvent-dewaxed heavy paraffinic	(CAS No) 64742-65-0	2.94 - 4.92	Acute Tox. 4 (Inhalation:dust,mist), H332 Asp. Tox. 1, H304 (DMSO <3%)
Zinc bis[O(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)-	(CAS No) 93819-94-4	0.735 - 1.64	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased	(CAS No) 68784-26-9	0.147 - 0.41	Repr. 1B, H360 Aquatic Chronic 4, H413
Phenyl, dodecyl-, branched	(CAS No) 121158-58-5	0.0441 - 0.164	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
μ 3-thio-1,2:1,3:2,3-tris(μ -disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV) dialkyldithiocarbamate		0.03675 - 0.164	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412

Full text of H-phrases: 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 : If inhaled and if breathing is difficult, 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 : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.

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

- Symptoms/injuries : May damage fertility or the unborn child.
- Symptoms/injuries after skin contact : May cause an allergic skin reaction.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

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 : Dry powder. Foam. Carbon dioxide. Water fog.
- 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. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
- Explosion hazard : Product is not explosive.
- Reactivity : No dangerous reactions known.

5.3. Advice for firefighters

- 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. Use self-contained breathing apparatus.

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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. 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. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment.

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

6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not discharge into drains or 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 : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Small spills: Wipe up with absorbent material (e.g. cloth, fleece).

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 breathing mist, vapours. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

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. Store in a dry, cool and well-ventilated place.

Incompatible products : Strong oxidizers.

Incompatible materials : Heat sources.

7.3. Specific end use(s)

Lubricant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-Decene, homopolymer, hydrogenated (68037-01-4)		
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
Zinc bis[O(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)- (93819-94-4)		
ACGIH	Not applicable	
OSHA	Not applicable	
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9)		
ACGIH	Not applicable	
OSHA	Not applicable	
Phenyl, dodecyl-, branched (121158-58-5)		
ACGIH	Not applicable	

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Phenyl, dodecyl-,branched (121158-58-5)	
OSHA	Not applicable
μ3-thio-1,2:1,3:2,3-tris(μ-disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV) dialkyldithiocarbamate	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Appropriate engineering controls	: Avoid creating mist or spray. Avoid splashing. Provide local exhaust or general room ventilation.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear suitable gloves resistant to chemical penetration. Use rubber gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Long sleeved protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. Use an approved respirator equipped with oil/mist cartridges.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear liquid.
Colour	: No data available
Odour	: petroleum
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: -46 °C
Boiling point	: > 427 °C
Flash point	: > 204 °C (COC)
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	: 0.86
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	: 95 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.

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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

Burning produces irritating, toxic and noxious fumes. Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Skin and eye contact; Inhalation

Acute toxicity : Not classified

1-Decene, homopolymer, hydrogenated (68037-01-4)	
LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	2.18 mg/l
ATE US (vapours)	2.180 mg/l/4h
ATE US (dust,mist)	2.180 mg/l/4h
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9)	
LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 4000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 1.67 mg/l Study scientifically unjustified. Exposure duration was not 4 hours. Can not be classified according to the EU as the animals were exposed for 1 hour.

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified.
Reproductive toxicity	: May damage fertility or the unborn child.
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after skin contact	: May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

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

1-Decene, homopolymer, hydrogenated (68037-01-4)	
LC50 fish 1	> 750 mg/l
EC50 Daphnia 1	190 mg/l
NOEC (acute)	1000 mg/l
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9)	
LC50 other aquatic organisms 1	> 40 mg/l

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12.2. Persistence and degradability

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Persistence and degradability	May cause long-term adverse effects in the environment.
1-Decene, homopolymer, hydrogenated (68037-01-4)	
Persistence and degradability	Readily biodegradable.
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
Persistence and degradability	Not established.
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	4.7 - 10.8 % 28 days

12.3. Bioaccumulative potential

1-Decene, homopolymer, hydrogenated (68037-01-4)	
Bioaccumulative potential	Not expected to bioaccumulate.
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
Bioaccumulative potential	Not established.
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9)	
Bioconcentration factor (BCF REACH)	2.2
Log Pow	9.5
Bioaccumulative potential	Not expected to bioaccumulate.

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

1-Decene, homopolymer, hydrogenated (68037-01-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9)

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

μ 3-thio-1,2:1,3:2,3-tris(μ -disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV) dialkyldithiocarbamate

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

15.2. International regulations

CANADA

1-Decene, homopolymer, hydrogenated (68037-01-4)

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

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

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

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9)

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

μ 3-thio-1,2:1,3:2,3-tris(μ -disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV) dialkyldithiocarbamate

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

EU-Regulations

1-Decene, homopolymer, hydrogenated (68037-01-4)

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

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

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

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9)

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

μ 3-thio-1,2:1,3:2,3-tris(μ -disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV) dialkyldithiocarbamate

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

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

Eye Irrit. 2 H319

Repr. 1B H360

Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

National regulations

1-Decene, homopolymer, hydrogenated (68037-01-4)

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
Listed on KECI (Korean Existing Chemicals Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

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

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (68784-26-9)

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

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15.3. US State regulations

No additional information available

SECTION 16: Other information

Indication of changes	: GHS classification information.
Revision date	: 03/26/2015
Data sources	: Chemical Inspection & Regulation Service; accessed at: http://www.cirs-reach.com/Inventory/Global_Chemical_Inventories.html European Chemicals Agency (ECHA) Registered Substances list. Accessed at http://echa.europa.eu/ 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. OSHA 29CFR 1910.1200 Hazard Communication Standard. The Organisation for Economic Co-operation and Development (OECD; eChemPortal chemical searches. Accessed at http://www.echemportal.org/echemportal/substancesearch/substancesearchlink.action TSCA Chemical Substance Inventory. Accessed at http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html
Abbreviations and acronyms	: AIHA: American Industrial Hygiene Association 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. TSCA: Toxic Substances Control Act. TWA: Time Weighted Average.
Other information	: None.

Full text of H-phrases:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Repr. 1B	Reproductive toxicity, Category 1B
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H360	May damage fertility or the unborn child
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

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NFPA health hazard

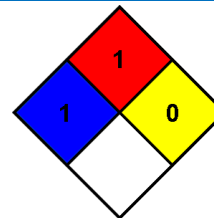
: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

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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T 614-923-7472
www.redstonegrp.com

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