

Safety Data Sheet

GenFlex Roofing Systems

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • All-Purpose LVOC Cleaner

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

Relevant identified use(s) • Construction

1.3 Details of the supplier of the safety data sheet

Manufacturer • Firestone Building Products Company
250 West 96th Street
Indianapolis, IN 46260
United States

genflexmsds@bfdp.com

Telephone (General) • 800-428-4442

1.4 Emergency telephone number

Manufacturer • (800) 424-9300 - CHEMTREC

Manufacturer • (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

- CLP**
- Flammable Liquids 2 - H225
Aspiration 1 - H304
Eye Irritation 2 - H319
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
EUH066
- DSD/DPD**
- Highly Flammable (F)
Irritant (Xi)
Harmful (Xn)
R11, R36, R65, R66, R67

2.2 Label Elements

CLP

DANGER



Hazard statements • H225 - Highly flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways

H319 - Causes serious eye irritation
 H336 - May cause drowsiness or dizziness
 EUH066 - Repeated exposure may cause skin dryness or cracking.

Precautionary statements

- Prevention**
- P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 - P233 - Keep container tightly closed.
 - P240 - Ground and/or bond container and receiving equipment.
 - P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
 - P242 - Use only non-sparking tools.
 - P243 - Take precautionary measures against static discharge.
 - P261 - Avoid breathing mists, vapours, and/or spray.
 - P264 - Wash thoroughly after handling.
 - P271 - Use only outdoors or in a well-ventilated area.
 - P280 - Wear protective gloves and eye/face protection , .
- Response**
- P370+P378 - In case of fire: Use appropriate media for extinction.
 - P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 - If eye irritation persists: Get medical advice/attention.
 - P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 - P331 - Do NOT induce vomiting.
- Storage/Disposal**
- P233 - Keep container tightly closed.
 - P403+P235 - Store in a well-ventilated place. Keep cool.
 - P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



- Risk phrases**
- R11 - Highly flammable.
 - R36 - Irritating to eyes.
 - R65 - Harmful: may cause lung damage if swallowed.
 - R66 - Repeated exposure may cause skin dryness or cracking.
 - R67 - Vapours may cause drowsiness and dizziness.
- Safety phrases**
- S9 - Keep container in a well ventilated place
 - S16 - Keep away from sources of ignition - No Smoking.
 - S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other Hazards

- CLP**
- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD**
- According to European Directive 1999/45/EC this preparation is considered dangerous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012**
- Flammable Liquids 2
 - Aspiration 1
 - Eye Irritation 2A
 - Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects

2.2 Label elements

OSHA HCS 2012

DANGER



- Hazard statements**
- Highly flammable liquid and vapour
 - May be fatal if swallowed and enters airways
 - Causes serious eye irritation
 - May cause drowsiness or dizziness

Precautionary statements

- Prevention**
- Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 - Keep container tightly closed.
 - Ground and/or bond container and receiving equipment.
 - Use explosion-proof electrical/ventilating/lighting/equipment.
 - Use only non-sparking tools.
 - Take precautionary measures against static discharge.
 - Avoid breathing mists, vapours, and/or spray.
 - Wash thoroughly after handling.
 - Use only outdoors or in a well-ventilated area.
 - Wear protective gloves and eye/face protection , .
- Response**
- In case of fire: Use appropriate media for extinction.
 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - Call a POISON CENTER or doctor/physician if you feel unwell.
 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - IF IN EYES: 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.
 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 - Do NOT induce vomiting.
- Storage/Disposal**
- Keep container tightly closed.
 - Store in a well-ventilated place. Keep cool.
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Flammable Liquids - B2
- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Flammable Liquids - B2
- Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the

Workplace Hazardous Materials Information System (WHMIS).

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients**3.1 Substances**

- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Acetone	CAS:67-64-1 EC Number:200-662-2 EU Index:606-001-00-8	50% TO 100%	Inhalation-Rat LC50 • 50100 mg/m ³ 8 Hour (s) Ingestion/Oral-Rat LD50 • 5800 mg/kg	EU DSD/DPD: Annex VI, Table 3.2: F; R11; Xi; R36; R66; R67 EU CLP: Annex VI Table 3.1: Flam. Liq 2, H225; Eye Irrit. 2, H319; STOT SE 3: Narc., H336; EUH066; OSHA HCS 2012: Eye Irrit. 2A; STOT SE 3: Narc; Flam. Liq. 2;	NDA
Distillates (petroleum), hydrotreated light	CAS:64742-47-8 EC Number:265-149-8 EU Index:649-422-00-2	25% TO 50%	NDA	EU DSD/DPD: Annex VI, Table 3.2: Xn; R65 EU CLP: Annex VI, Table 3.1: Asp. Tox. 1, H304 OSHA HCS 2012: Flam. Liq. 4; Asp. Tox. 1	NDA

Section 4 - First Aid Measures**4.1 Description of first aid measures****Inhalation**

- Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Move victim to fresh air. If signs/symptoms continue, get medical attention.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Wash skin with soap and water. If irritation develops and persists, get medical attention.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

- Do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed**Notes to Physician**

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media ● Carbon dioxide, dry chemical, alcohol foam, sand, or water fog.

Unsuitable Extinguishing Media ● Do not use water.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards ● HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Containers may explode when heated. Vapor explosion hazard indoors, outdoors or in sewers. Many liquids are lighter than water. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Runoff to sewer may create fire or explosion hazard. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products ● No data available

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk.
- LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions** ● Wear appropriate personal protective equipment. Do not walk through spilled material. Do not breath mist/vapours/spray. Avoid contact with skin and eyes.
- Emergency Procedures** ● As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures** ● Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. A vapor suppressing foam may be used to reduce vapors. All equipment used when handling the product must be grounded. LARGE SPILLS: Dike far ahead of liquid spill for later disposal. LARGE SPILLS: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Keep away from heat, sparks, and flame. All equipment used when handling the product must be grounded. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near container. Do not use in areas without adequate ventilation. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. After handling wash hands thoroughly. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities**Storage**

- Store in a cool, dry, well-ventilated place. Store in a tightly closed container.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection**8.1 Control parameters**

Exposure Limits/Guidelines						
	Result	ACGIH	Australia	Belgium	Canada Alberta	Canada British Columbia
Distillates (petroleum), hydrotreated light (64742-47-8)	TWAs	Not established	Not established	Not established	Not established	200 mg/m ³ TWA (application restricted to conditions in which there are negligible aerosol exposures, as total Hydrocarbon vapour)
Acetone (67-64-1)	STELs	750 ppm STEL	1000 ppm STEL; 2375 mg/m ³ STEL	1000 ppm STEL; 2420 mg/m ³ STEL	750 ppm STEL; 1800 mg/m ³ STEL	500 ppm STEL
	TWAs	500 ppm TWA	500 ppm TWA; 1185 mg/m ³ TWA	500 ppm TWA; 1210 mg/m ³ TWA	500 ppm TWA; 1200 mg/m ³ TWA	250 ppm TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Manitoba	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut
Acetone (67-64-1)	STELs	750 ppm STEL	750 ppm STEL; 1782 mg/m ³ STEL	1250 ppm STEL; 2970 mg/m ³ STEL	750 ppm STEL	1250 ppm STEL; 2970 mg/m ³ STEL
	TWAs	500 ppm TWA	500 ppm TWA; 1188 mg/m ³ TWA	1000 ppm TWA; 2370 mg/m ³ TWA	500 ppm TWA	1000 ppm TWA; 2370 mg/m ³ TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Ontario	Canada Quebec	Canada Saskatchewan	Canada Yukon	China
Acetone (67-64-1)	STELs	750 ppm STEL	1000 ppm STEV; 2380 mg/m ³ STEV	Not established	1250 ppm STEL; 3000 mg/m ³ STEL	450 mg/m ³ STEL
	TWAs	500 ppm TWA	500 ppm TWAEV; 1190 mg/m ³ TWAEV	500 ppm TWA	1000 ppm TWA; 2400 mg/m ³ TWA	300 mg/m ³ TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Cyprus	Denmark	Germany DFG	Germany TRGS	NIOSH
Distillates (petroleum), hydrotreated light (64742-47-8)	Ceilings	Not established	Not established	40 ppm Peak; 280 mg/m ³ Peak	Not established	Not established
	MAKs	Not established	Not established	20 ppm TWA MAK; 140 mg/m ³ TWA MAK	Not established	Not established
					500 ppm TWA AGW	

Acetone (67-64-1)	TWAs	500 ppm TWA; 1210 mg/m3 TWA	250 ppm TWA; 600 mg/m3 TWA	Not established	(exposure factor 2); 1200 mg/m3 TWA AGW (exposure factor 2)	250 ppm TWA; 590 mg/m3 TWA
	Ceilings	Not established	Not established	1000 ppm Peak; 2400 mg/m3 Peak	Not established	Not established
	MAKs	Not established	Not established	500 ppm TWA MAK; 1200 mg/m3 TWA MAK	Not established	Not established
Exposure Limits/Guidelines (Con't.)						
			Result	OSHA		
Acetone (67-64-1)			TWAs	1000 ppm TWA; 2400 mg/m3 TWA		

Exposure Control Notations

Cyprus

•Acetone (67-64-1): **Skin:** (Skin-potential for cutaneous absorption)

ACGIH

•Acetone (67-64-1): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

Germany DFG

•Acetone (67-64-1): **Pregnancy:** (risk to embryo/fetus probable by exposure at exposure limit level)

•Distillates (petroleum), hydrotreated light (64742-47-8): **Carcinogens:** (Category 3B (could be carcinogenic for man, isomers in technical mixtures)) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to)

Exposure Limits Supplemental

ACGIH

•Acetone (67-64-1): **BEIs:** (50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)) | **TLV Basis - Critical Effects:** (CNS impairment; eye and upper respiratory tract irritation; hematologic effects) | **Notice of Intended Changes (BEIs):** (20 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)) | **Notice of Intended Changes (TLVs):** (200 ppm TWA; 500 ppm STEL; BEI; TLV basis: CNS impairment, upper respiratory tract irritation)

8.2 Exposure controls

Engineering Measures/Controls

- This material is designed to be used outdoors, in roofing applications. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses).

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- In case of spills, keep product clear of sewers, waterways or land areas. Dispose of waste product in accordance with national and local laws and regulations.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene
 MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration
 NIOSH = National Institute of Occupational Safety and Health
 OSHA = Occupational Safety and Health Administration
 STEL = Short Term Exposure Limits are based on 15-minute exposures

STEV = Short Term Exposure Value
 TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)
 TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures
 TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Clear liquid with characteristic odor.
Color	Clear	Odor	Characteristic
Odor Threshold	Data lacking		
General Properties			
Boiling Point	55 C(131 F)	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	= 0.79 @ 20 C(68 F) Water=1	Water Solubility	Insoluble
Viscosity	Data lacking	Explosive Properties	Not explosive.
Oxidizing Properties:	Not an oxidizer.		
Volatility			
Vapor Pressure	233 hPa @ 20 C(68 F)	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	-19 C(-2.2 F)	UEL	13 %
LEL	0.5 %	Autoignition	Data lacking
Flammability (solid, gas)	Flammable Liquid.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Avoid flames, sparks, or other sources of ignition.

10.5 Incompatible materials

- Oxidizing agents.

10.6 Hazardous decomposition products

- Carbon Dioxide, Carbon Monoxide.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Acetone (50% TO 100%)	67-64-1	<p>Acute Toxicity: Ingestion/Oral-Rat LD50 • 5800 mg/kg; Inhalation-Rat LC50 • 50100 mg/m³ 8 Hour(s);</p> <p>Irritation: Eye-Rabbit • 20 mg 24 Hour(s) • Moderate irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation;</p> <p>Mutagen: Sex chromosome loss & nondisjunction • Inhalation-Mouse • 12 g/L; Cytogenetic analysis • Unreported Route-Hamster • Fibroblast (Somatic cell) • 40 g/L;</p> <p>Reproductive: Ingestion/Oral-Rat TDLo • 273 g/kg (13W male); <i>Reproductive Effects:Paternal Effects:Spermatogenesis</i>; Inhalation-Rat TCLo • 11000 ppm (6-19D preg); <i>Reproductive Effects:Specific Developmental Abnormalities:Other developmental abnormalities</i></p>

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Aspiration Hazard	EU/CLP • Aspiration 1 OSHA HCS 2012 • Aspiration 1
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2A

Potential Health Effects

Inhalation

- Acute (Immediate)**
 - May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.
- Chronic (Delayed)**
 - No data available.

Skin

- Acute (Immediate)**
 - May cause mild irritation.
- Chronic (Delayed)**
 - Repeated exposure may cause skin dryness or cracking.

Eye

- Acute (Immediate)**
 - Causes serious eye irritation.
- Chronic (Delayed)**
 - No data available.

Ingestion

- Acute (Immediate)**
 - May be fatal if swallowed and enters airways. Material may be aspirated into the lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause

- Chronic (Delayed)**
- severe lung injury, chemical pneumonitis, pulmonary edema or death.
 - No data available.

Key to abbreviations

LC = Lethal Concentration

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1993	Flammable liquids, n.o.s. (Acetone)	NDA	II	NDA
TDG	UN1993	FLAMMABLE LIQUIDS, N.O.S. (Acetone)	NDA	II	NDA
IMO/IMDG	UN1993	FLAMMABLE LIQUIDS, N.O.S. (Acetone)	NDA	II	NDA
ADN	UN1993	FLAMMABLE LIQUIDS, N.O.S. (Acetone)	NDA	II	NDA

ADR/RID	UN1993	FLAMMABLE LIQUIDS, N.O.S. (Acetone)	NDA	II	NDA
IATA/ICAO	UN1993	Flammable liquids, n.o.s. (Acetone)	NDA	II	NDA

14.6 Special precautions for user • None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • Data lacking.

14.8 Other information

DOT • Acetone has a reportable quantity of 5000 lbs (2270 kg) as listed in Appendix A to 49 CFR 172.101. Marine pollutant classification applies when shipping bulk or vessel transport.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Fire, Acute

State Right To Know				
Component	CAS	MA	NJ	PA
Acetone	67-64-1	Yes	Yes	Yes
Distillates (petroleum), hydrotreated light	64742-47-8	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Acetone	67-64-1	Yes	No	Yes	Yes	No
Distillates (petroleum), hydrotreated light	64742-47-8	Yes	No	Yes	Yes	No

Inventory (Con't.)				
Component	CAS	Japan ENCS	Korea KECL	TSCA
Acetone	67-64-1	Yes	Yes	Yes
Distillates (petroleum), hydrotreated light	64742-47-8	Yes	Yes	Yes

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

Australia - High Volume Industrial Chemicals List

- | | |
|---|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 |
| • Acetone | 67-64-1 |

Australia - List of Designated Hazardous Substances - Classification

• Distillates (petroleum), hydrotreated light	64742-47-8	Xn R65
• Acetone	67-64-1	F, Xi R11, R36, R66, R67

Environment**Australia - National Pollutant Inventory (NPI) Substance List**

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	10 tonne/yr Threshold category 1

Australia - Ozone Protection Act - Scheduled Substances

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

Australia - Priority Existing Chemical Program

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

Belgium**Labor****Belgium - Substances and Preparations - Carcinogens and Mutagens**

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

Bulgaria**Environment****Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 24 Hour**

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	0.35 mg/m3 MAHCL

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	0.35 mg/m3 MAHCL

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

Canada**Labor****Canada - WHMIS - Classifications of Substances**

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	B2, D2B

Canada - WHMIS - Ingredient Disclosure List

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	1 %

Environment**Canada - CEPA - Priority Substances List**

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

China

Other

China - Annex I & II - Controlled Chemicals Lists

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

Denmark

Environment

Denmark - List of Undesirable Substances - Product Groups/Function

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Distillates (petroleum), hydrotreated light	64742-47-8	Xn; R65
• Acetone	67-64-1	F; R11 Xi; R36 R66 R67

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Distillates (petroleum), hydrotreated light	64742-47-8	Xn R:65 S:(2)-23-24-62
• Acetone	67-64-1	F Xi R:11-36-66-67 S:(2)-9-16-26

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Distillates (petroleum), hydrotreated light	64742-47-8	S:(2)-23-24-62
• Acetone	67-64-1	S:(2)-9-16-26

Germany

Labor

Germany - Immission Control - Qualifying Quantities for Major Accident Prevention

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

Germany - Immission Control - Qualifying Quantities for Safety Reporting

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

Germany - TRGS 505 - Specific Lead Regulations

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

Environment**Germany - TA Luft - Types and Classes**

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

Germany - TA Luft - Emission Limits for Carcinogenic Substances

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

Germany - TA Luft - Emission Limits for Fibers

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

Germany - TA Luft - Emission Limits for Inorganic Dusts

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

Germany - TA Luft - Emission Limits for Inorganic Gases

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

Germany - TA Luft - Emission Limits for Organic Substances

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

Germany - Water Classification (VwVwS) - Annex 1

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

- | | | |
|---|------------|---|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | ID Number 5350, hazard class 1 - low hazard to waters |
| • Acetone | 67-64-1 | ID Number 6, hazard class 1 - low hazard to waters |

Germany - Water Classification (VwVwS) - Annex 3

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

U.S. - OSHA - Specifically Regulated Chemicals

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

- | | | |
|---|------------|------------|
| • Distillates (petroleum), hydrotreated light | 64742-47-8 | Not Listed |
| • Acetone | 67-64-1 | Not Listed |

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	5000 lb final RQ; 2270 kg final RQ

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Included in waste stream: F039

U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	

U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	

U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	0.28 mg/L (wastewater); 160 mg/kg (nonwastewater)

U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	

U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	waste number U002 (Ignitable waste)

United States - California

Environment**U.S. - California - Proposition 65 - Carcinogens List**

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Acetone	67-64-1	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information**Last Revision Date**

- 03/March/2015

Preparation Date

- 17/August/2012

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Key to abbreviations

NDA = No data available

