



### SAFETY DATA SHEET 100% Synthetic Dual-Clutch Transmission Fluid

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200 and WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR).

1. Identification	
Product identifier	
Product name	100% Synthetic Dual-Clutch Transmission Fluid
Product number	DCT
Recommended use of the che	mical and restrictions on use
Application	Transmission fluid.
Uses advised against	Avoid the formation of mists.
Details of the supplier of the s	afety data sheet
Supplier	AMSOIL INC. Bordner, Ladner, Gervais Scotia Plaza, 40 King St W Toronto, ON, Canada M5H 3Y4 T: +1 416-367-6547
Manufacturer	AMSOIL INC. One AMSOIL Center, Superior, WI 54880, USA. T: +1 715-392-7101 compliance@amsoil.com
Emergency telephone number	
Emergency telephone	CHEMTREC: Within USA and Canada: 1-800-424-9300 Outside the USA and Canada: +1 703-741-5970 (collect calls accepted) 24/7
2. Hazard(s) identification	
Classification of the substance	e or mixture
OSHA/WHMIS Regulatory Status	This Product is Not Hazardous under the OSHA Hazard Communication Standard. This product has been classified according to the hazard criteria of the Hazardous Product Regulations and the SDS contains all required information.
Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Aquatic Acute 3 - H402 Aquatic Chronic 3 - H412
Label elements	
Hazard statements	H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P501 Dispose of contents/ container in accordance with national regulations.

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients	
Mixtures	
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	50 - 100%
CAS number: 68037-01-4	
Classification Asp. Tox. 1 - H304	
Hydrogenated base oil	10 - <25%
CAS number: 64742-54-7	
<b>Classification</b> Asp. Tox. 1 - H304	
Isooctadecanoic acid, reaction products with tetraethylenepentamine	1 - <2.5%
CAS number: 68784-17-8	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2A - H319	
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol	1 - <2.5%
CAS number: 91648-65-6	
Classification Aquatic Chronic 3 - H412	
<b>bis(Nonylphenyl)amine</b> CAS number: 36878-20-3	1 - <2.5%
Classification Aquatic Chronic 4 - H413	
2-Ethylhexyl methacrylate	0.025 - <0.25%
CAS number: 688-84-6	
Classification Skin Sens. 1B - H317 Aquatic Chronic 3 - H412	

Ethonel 0.01 inside the birth	
Ethanol, 2,2'-iminobis-, N-tal CAS number: 61791-44-4	llow alkyl derivs. 0.025 - <0.25%
M factor (Acute) = 10	M factor (Chronic) = 1
Classification Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1C - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
C14-18 alpha-olefin epoxide acid CAS number: —	e, reaction products with boric 0.025 - <0.25%
Classification Skin Sens. 1B - H317	
	tements is displayed in Section 16.
Composition comments	The exact percentage is withheld as a trade secret in accordance with 29 CFR 1910.1200.
4. First-aid measures	
Description of first aid measu General information	<b>res</b> Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
Ingestion	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
Skin Contact	Remove affected person from source of contamination. Rinse immediately with plenty of water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.
Most important symptoms an	d effects, both acute and delayed
General information	See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	Gastrointestinal symptoms, including upset stomach. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	May cause temporary eye irritation.

# 100% Synthetic Dual-Clutch Transmission Fluid

	al attention and special treatment needed
Notes for the doctor	Treat symptomatically.
Specific treatments	No special treatment required.
5. Fire-fighting measures	
Extinguishing media	
Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from t	ne substance or mixture
Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.
Advice for firefighters	
Protective actions during firefighting	Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves, that provides a basic level of protection during chemical incidents is defined by the Canada Occupational Health and Safety Regulations, by provincial guidelines on occupational health and safety or by NFPA standards if applicable.
6. Accidental release measure	S
Personal precautions, protectiv	ve equipment and emergency procedures
Personal precautions	No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Use protective equipment appropriate for surrounding materials.
Environmental precautions	
Environmental precautions	Harmful to aquatic life with long lasting effects. Avoid discharge to the aquatic environment. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).
Methods and material for cont	ainment and cleaning up
Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Reuse or recycle products wherever possible. Absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.
Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
7. Handling and storage	
Precautions for safe handling	
<b>_</b>	

#### Indication of immediate medical attention and special treatment needed

Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid contact with used product. Do not reuse empty containers. Avoid the formation of mists.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.
Conditions for safe storage, in	cluding any incompatibilities
Storage precautions	Store away from incompatible materials (see Section 10). Keep container tightly closed, in a cool, well ventilated place. Protect containers from damage.
Storage class	Chemical storage.
Specific end uses(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.
8. Exposure Controls/personal	protection
Control parameters Occupational exposure limits Comments	The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.
Ingredient comments	No exposure limits known for ingredient(s).
Exposure controls	
Appropriate engineering controls	Provide adequate ventilation. Good general ventilation should be adequate to control worker exposure to airborne contaminants.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with OSHA 1910.133 and/or the Canadian regulation on health and safety at work, SOR/86-304, Part XII (12.6), and any relevant provincial regulation relating to health and safety at work. The following protection should be worn: Chemical splash goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and/or the Canadian regulation on health and safety at work, SOR/86-304, Part XII (12.9), and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
Hygiene measures	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Not regarded as dangerous for the environment.

#### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties Appearance Liquid. Yellow. Color Odor Mild hydrocarbon. Odor threshold Not available. Not available. pН Not available. Melting point Initial boiling point and range Not available. Flash point 230°C Cleveland open cup. [ASTM D 92] **Evaporation rate** Not available. Upper/lower flammability or Not available. explosive limits Vapor pressure Not available. Vapor density Not available. **Relative density** 0.8418 Solubility(ies) Not known. Partition coefficient Not available. Auto-ignition temperature Not available. **Decomposition Temperature** Not available. 38.8 cSt @ 40°C Viscosity 7.7 cSt @ 100°C [ASTM D 445] **Explosive properties** Not considered to be explosive. Does not meet the criteria for classification as oxidizing. **Oxidizing properties** Fire point 244°C Cleveland open cup. [ASTM D 92] Pour point -58°C [ASTM D 97] 10. Stability and reactivity Reactivity See the other subsections of this section for further details. Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.
11. Toxicological information	
Information on toxicological eff	fects
Toxicological effects	Not regarded as a health hazard under current legislation.
Acute toxicity - oral Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - dermal Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> )	Based on available data the classification criteria are not met.
Skin corrosion/irritation Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritation Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitization Respiratory sensitization	Based on available data the classification criteria are not met.
Skin sensitization Skin sensitization	Based on available data the classification criteria are not met.
Germ cell mutagenicity Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity -	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - STOT - repeated exposure	<b>repeated exposure</b> Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard Aspiration hazard	Based on available data the classification criteria are not met.

General information	No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	Gastrointestinal symptoms, including upset stomach. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
Skin Contact	Prolonged contact may cause dryness of the skin.
Eye contact	May cause temporary eye irritation.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target Organs	No specific target organs known.
Medical considerations	Skin disorders and allergies.

#### Toxicological information on ingredients.

Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated		
Acute toxicity - oral		
Notes (oral LD₅₀)	$LD_{50}$ >5000 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.	
Acute toxicity - dermal		
Notes (dermal LD₅₀)	$LD_{50}$ >2000 mg/kg, Dermal, Rat REACH dossier information. Based on available data the classification criteria are not met.	
Acute toxicity - inhalation		
Notes (inhalation LC₅₀)	$LC_{50}$ >5.2 mg/l, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.	
Skin corrosion/irritation		
Animal data	Dose: 0.5 mL, 24 hours, Rabbit Erythema/eschar score: No erythema (0). Edema score: No oedema (0). Primary dermal irritation index: 0.5 REACH dossier information. Based on available data the classification criteria are not met.	
Serious eye damage/irritati	on	
Serious eye damage/irritation	Dose: 0.1 mL, 72 hours, Rabbit Not irritating. REACH dossier information. Based on available data the classification criteria are not met.	
Skin sensitization		
Skin sensitization	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitizing. REACH dossier information. Based on available data the classification criteria are not met.	
Germ cell mutagenicity		
Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.	
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.	
Reproductive toxicity		
Reproductive toxicity - fertility	One-generation study - NOAEL 1000 mg/kg/day, Oral, Rat P REACH dossier information. Based on available data the classification criteria are not met.	
Aspiration bazard		

Aspiration hazard

Aspiration hazard	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting
	may cause chemical pneumonitis.

#### Hydrogenated base oil

Acute toxicity - oral	
Notes (oral LD₅₀)	LD₅₀ >5000 mg/kg, Oral, Rat REACH dossier information.
Acute toxicity - dermal	
Notes (dermal LD₅₀)	LD₅₀ >5000 mg/kg, Dermal, Rabbit REACH dossier information.
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	LC₅₀ >5.53 mg/l, Inhalation, Rat REACH dossier information.
Skin corrosion/irritation	
Animal data	Dose: 0.5ml, 24 hours, Rabbit Erythema/eschar score: No erythema (0). Edema score: No oedema (0). REACH dossier information.
Serious eye damage/irritat	ion
Serious eye damage/irritation	Dose: 0.1ml, 72 hours, Rabbit REACH dossier information.
Skin sensitization	
Skin sensitization	Buehler test - Guinea pig: Not sensitizing. REACH dossier information.
Germ cell mutagenicity	
Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information.
Reproductive toxicity	
Reproductive toxicity - fertility	Screening - NOAEL > 1000 mg/kg/day, Oral, Rat P REACH dossier information.
Reproductive toxicity - development	Developmental toxicity: - LOAEL: 125 mg/kg/day, Dermal, Rat REACH dossier information.

12. Ecological Information

Toxicity

Harmful to aquatic life with long lasting effects.

#### Ecological information on ingredients.

### Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated

Toxicity	Based on available data the classification criteria are not met. Aquatic toxicity is unlikely to occur.
Acute aquatic toxicity	
Acute toxicity - fish	LL₅₀, 96 hours: >1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EL₅₀, 48 hours: >1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL₅₀, 72 hours: >1000 mg/l, Selenastrum capricornutum

	Acute toxicity - microorganisms		NOEC, 28 days: 2 mg/l, Activated sludge
	Chronic aquatic	toxicity	
	Chronic toxicity - invertebrates	- aquatic	NOELR, 21 days: 125 mg/l, Daphnia magna
			Hydrogenated base oil
	Acute aquatic to	xicity	
	Acute toxicity - fi	sh	LL₅₀, 96 hours: > 100 mg/l, Pimephales promelas (Fat-head Minnow)
	Acute toxicity - a invertebrates	quatic	EL₅₀, 48 hours: > 10000 mg/l, Daphnia magna
	Acute toxicity - a plants	quatic	NOEL, 72 hours: > 100 mg/l, Pseudokirchneriella subcapitata
Persistence	e and degradability		
Persistence	e and degradability	The deg	gradability of the product is not known.
Ecological	information on ingr	edients.	
		Dec-1-en	e, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated
	Persistence and degradability		Not readily biodegradable.
	Biodegradation		Water - Degradation 2%: 28 days
			Hydrogenated base oil
	Biodegradation		Hydrogenated base oil Water - Degradation 31: 28 days Inherently biodegradable.
Bioaccumu	Biodegradation		Water - Degradation 31: 28 days
	lative potential	No data	Water - Degradation 31: 28 days
	lative potential ulative Potential	No data Not ava	Water - Degradation 31: 28 days Inherently biodegradable.
Bio-Accum Partition co	lative potential ulative Potential	Not ava	Water - Degradation 31: 28 days Inherently biodegradable.
Bio-Accum Partition co	lative potential ulative Potential pefficient	Not ava <b>edients.</b>	Water - Degradation 31: 28 days Inherently biodegradable.
Bio-Accum Partition co	lative potential ulative Potential pefficient	Not ava edients. Dec-1-en	Water - Degradation 31: 28 days Inherently biodegradable. available on bioaccumulation. ilable.
Bio-Accum Partition co	ulative potential ulative Potential pefficient information on ingr Partition coefficie	Not ava edients. Dec-1-en	Water - Degradation 31: 28 days Inherently biodegradable. available on bioaccumulation. ilable. <b>e, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated</b>
Bio-Accum Partition cc Ecological	ulative potential ulative Potential pefficient information on ingr Partition coefficie	Not ava <u>edients.</u> <u>Dec-1-en</u> ent	Water - Degradation 31: 28 days Inherently biodegradable. available on bioaccumulation. ilable. <b>e, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated</b>
Bio-Accum Partition co Ecological <u>Mobility in s</u> Mobility	ulative potential ulative Potential pefficient information on ingr Partition coefficie	Not ava <u>edients.</u> <u>Dec-1-en</u> ent No data	Water - Degradation 31: 28 days Inherently biodegradable. a available on bioaccumulation. ilable. <b>ne, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated</b> log Pow: >6.5
Bio-Accum Partition co Ecological <u>Mobility in s</u> Mobility	<u>llative potential</u> ulative Potential pefficient information on ingr Partition coefficie <u>soil</u>	Not ava <u>edients.</u> <u>Dec-1-en</u> ent No data <u>redients.</u>	Water - Degradation 31: 28 days Inherently biodegradable. a available on bioaccumulation. ilable. <b>ne, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated</b> log Pow: >6.5
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Bio-Accum Partition co Ecological <u>Mobility in s</u> Mobility	<u>llative potential</u> ulative Potential pefficient <u>information on ingr</u> Partition coefficie <u>soil</u> <u>information on ingr</u>	Not ava <u>edients.</u> <u>Dec-1-en</u> ent No data <u>redients.</u>	Water - Degradation 31: 28 days Inherently biodegradable. available on bioaccumulation. ilable. <b>ee, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated</b> log Pow: >6.5 available.
Bio-Accum Partition co Ecological <u>Mobility in s</u> Mobility	Ilative potential ulative Potential pefficient information on ingr Partition coefficient soil information on ingr Mobility Surface tension	Not ava <u>edients.</u> <u>Dec-1-en</u> ent No data <u>redients.</u>	Water - Degradation 31: 28 days Inherently biodegradable. a available on bioaccumulation. ilable. <b>ee, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated</b> log Pow: >6.5 a available. <b>ee, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated</b> The product is insoluble in water.

13. Disposal considerations	
Waste treatment methods	
General information	The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.
Disposal methods	Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.
14. Transport information	
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT, TDG).
UN Number	
Not applicable.	
UN proper shipping name	
Not applicable.	
Transport hazard class(es) Transport labels	
No transport warning sign requ	lired.
Packing group Not applicable.	
Environmental hazards	
Environmentally Hazardous St No.	ubstance
Special precautions for user	
Not applicable.	
DOT TIH Zone	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
15. Regulatory information	
Regulatory References	OSHA Hazard Communication Standard 29 CFR §1910.1200 Hazardous Products Regulation (SOR/2015-17) Transportation of Dangerous Goods Regulations -SOR/2015-100.

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

#### SARA 313 Emission Reporting

The following ingredients are listed or exempt:

Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated 1.0 %

CAA Accidental Release Prevention None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

#### US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-I) None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-II) None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances None of the ingredients are listed or exempt.

Massachusetts "Right To Know" List None of the ingredients are listed or exempt.

Rhode Island "Right To Know" List None of the ingredients are listed or exempt.

Minnesota "Right To Know" List None of the ingredients are listed or exempt.

New Jersey "Right To Know" List None of the ingredients are listed or exempt.

Pennsylvania "Right To Know" List None of the ingredients are listed or exempt.

#### Inventories

Canada - DSL/NDSL All the ingredients are listed or exempt.

US - TSCA All the ingredients are listed or exempt.

#### US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

16. Other information				
Abbreviations and acronyms used in the safety data sheet	C.A.S. = Chemical Abstracts Service; E.C. No = European Commission number; GHS = Globally Harmonised System; OSHA = Occupational Safety and Health Administration; WHMIS = Workplace Hazardous Materials Information System; DOT = Department of Transport; TDG = Transport of Dangerous Goods Regulations; IMDG = International Maritime Dangerous Goods; IATA = International Air Transport Association; SARA = Superfund Amendments and Reauthorization Act; CERCLA = Comprehensive Environmental; EPCRA = Emergency Planning and Community Right-to-Know Act; TSCA = Toxic Substances Control Act; LD/LC/EC = Lethal Dose,Lethal Concentration/Effect Concentration for 50% of population; NOEC = No Overall Effect Concentration; NOEL = No Overall Effect Level; REACH = Registration, Evaluation, Authorisation & Restriction of Chemicals; STOT-RE = Single Target Organ Toxicity - Repeat Exposure; STOT-SE= Specific Target Organ Toxicity - Single Exposure; PBT = Persistent, Bioaccumulative, Toxic; vPvB = Very Persistent, Very Bioaccumulative.			
Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/			
Training advice	Read and follow manufacturer's recommendations. Only trained personnel should use this material.			
Revision comments	This is first issue.			
Revision date	12/15/2017			
SDS No.	6678			
Hazard statements in full	<ul> <li>H290 May be corrosive to metals.</li> <li>H302 Harmful if swallowed.</li> <li>H304 May be fatal if swallowed and enters airways.</li> <li>H314 Causes severe skin burns and eye damage.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> <li>H400 Very toxic to aquatic life.</li> <li>H402 Harmful to aquatic life.</li> <li>H410 Very toxic to aquatic life with long lasting effects.</li> <li>H412 Harmful to aquatic life with long lasting effects.</li> <li>H413 May cause long lasting harmful effects to aquatic life.</li> </ul>			

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.