SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	**Hydraulic 15**
Other means of identification	Not available
Recommended use	Lubricant
Recommended restrictions	None known.
Manufacturer information	Irving Blending & Packaging PO Box 1169 Saint John, NB E2L 4E6 CA Phone: 1.800.574.5823 Emergency Phone: 1.800.424.9300 (CHEMTREC) Emergency Phone: 1.506.648.3060
Supplier	See above.

2. Hazards Identification

Physical hazards	Not classified.	
Health hazards	Aspiration hazard	Category 1
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		

Signal word	Danger
Hazard statement	May be fatal if swallowed and enters airways.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	Not applicable.

3. Composition/Information on Ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	%
2,6-Di-tert-butylphenol		128-39-2	0.1-1*
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based		72623-86-0	15-40*
Lubricating oils, petroleum, hydrotreated spent		64742-58-1	30-60*

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments	US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. *CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First Aid Measures

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Skin contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

5. Fire Fighting Measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep out of low areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water . Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

Precautions for safe handling	Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Use care in handling/storage. Avoid contact with eyes, skin and clothing.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure Controls/Personal Protection

Occupational exposure limits

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0)	TWA	1 mg/m3	Mist.

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value	Form
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0)	TWA	5 mg/m3	Inhalable fraction.
Lubricating oils, petroleum, hydrotreated spent (CAS 64742-58-1)	TWA	5 mg/m3	Inhalable fraction.

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0)	TWA	5 mg/m3	Inhalable fraction.
Lubricating oils, petroleum, hydrotreated spent (CAS 64742-58-1)	TWA	5 mg/m3	Inhalable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0)	TWA	5 mg/m3	Inhalable fraction.
Lubricating oils, petroleum, hydrotreated spent (CAS 64742-58-1)	TWA	5 mg/m3	Inhalable fraction.

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Canada - Alberta OELs: Skin designation

1,4-Dioxane (CAS 123-91-1) Can be absorbed through the skin.

Canada - British Columbia OELs: Skin designation

1,4-Dioxane (CAS 123-91-1) Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

1,4-Dioxane (CAS 123-91-1) Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation

1,4-Dioxane (CAS 123-91-1) Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

1,4-Dioxane (CAS 123-91-1) Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

1,4-Dioxane (CAS 123-91-1) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

1,4-Dioxane (CAS 123-91-1) Can be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards

Arsenic (CAS 7440-38-2) Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

1,4-Dioxane (CAS 123-91-1) Can be absorbed through the skin.
Ethyl acrylate (CAS 140-88-5) Can be absorbed through the skin.

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) 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.

Individual protection measures, such as personal protective equipment

Eye/face protection	Chemical goggles are recommended.
Skin protection	
Hand protection	Wear protective gloves.
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Thermal hazards	Not applicable.
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and Chemical Properties

Appearance	Liquid
Physical state	Liquid.
Form	Liquid.
Color	Yellow
Odor	Petroleum
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	-67 °F (-55 °C)
Specific gravity	0.8404 @ 15°C
Partition coefficient (n-octanol/water)	Not available.
Flash point	372.2 °F (189.0 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Negligible
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	15.3 cSt @ 40°C

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Avoid temperatures exceeding the flash point.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Oxides of phosphorus.

11. Toxicological Information

Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.

Information on likely routes of exposure

Ingestion May be fatal if swallowed and enters airways.

Inhalation May be fatal if swallowed and enters airways. Prolonged inhalation may be harmful.

Skin contact No adverse effects due to skin contact are expected.

Eye contact Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways.

Components	Species	Test Results
2,6-Di-tert-butylphenol (CAS 128-39-2)		
Acute		
Dermal		
LD50	Rabbit	> 10000 mg/kg
Inhalation		
LC50	Not available	
Oral		
LD50	Mouse	2995 mg/kg
	Rat	> 5000 mg/kg
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg, 24 Hours, ECHA
		> 2000 mg/kg
		> 2000 mg/kg, 24 Hours, ECHA
Inhalation		
LC50	Rat	< 5.7 mg/L, 4 Hours, ECHA
		> 5.5 mg/L, 4 Hours, ECHA
		> 5.3 mg/L, 4 Hours, ECHA
		> 5.2 mg/L, 4 Hours, ECHA
		> 4 mg/L, 4 Hours, ECHA
		> 3.9 mg/L, 4 Hours, ECHA
		2.2 mg/L, 4 Hours, ECHA
Oral		
LD50	Rat	> 5000 mg/kg, ECHA
		> 2000 mg/kg, ECHA
Lubricating oils, petroleum, hydrotreated spent (CAS 64742-58-1)		
Acute		
Dermal		
LD50	Rabbit	> 4480 mg/kg
	Rat	> 2000 mg/kg
Oral		
LD50	Rat	> 2000 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Exposure minutes Not available.

Erythema value Not available.

Oedema value Not available.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Corneal opacity value	Not available.
Iris lesion value	Not available.
Conjunctival reddening value	Not available.
Conjunctival oedema value	Not available.
Recover days	Not available.

Respiratory or skin sensitization

ACGIH sensitization

Propylene oxide (CAS 75-56-9)	Dermal sensitization

Canada - British Columbia OELs: Respiratory or skin sensitiser

Ethyl acrylate (CAS 140-88-5)	Capable of causing respiratory, dermal or conjunctival sensitization.
Propylene oxide (CAS 75-56-9)	Capable of causing respiratory, dermal or conjunctival sensitization.

Canada - Manitoba OELs Hazard: Dermal sensitization

Propylene oxide (CAS 75-56-9)	Dermal sensitization

Canada - Saskatchewan OELs Hazard Data: Sensitiser

Propylene oxide (CAS 75-56-9)	Sensitizer.

Respiratory sensitization	Not available.
Skin sensitization	This product is not expected to cause skin sensitization.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Contains < 3% (w/w) DMSO-extract

ACGIH Carcinogens

1,4-Dioxane (CAS 123-91-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Arsenic (CAS 7440-38-2)	A1 Confirmed human carcinogen.
Cadmium (CAS 7440-43-9)	A2 Suspected human carcinogen.
Lead (CAS 7439-92-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Lubricating oils, petroleum, hydrotreated spent (CAS 64742-58-1)	A2 Suspected human carcinogen.
Oxirane (CAS 75-21-8)	A2 Suspected human carcinogen.
Propylene oxide (CAS 75-56-9)	A3 Confirmed animal carcinogen with unknown relevance to humans.

Canada - Alberta OELs: Carcinogen category

Arsenic (CAS 7440-38-2)	Confirmed human carcinogen.
Cadmium (CAS 7440-43-9)	Suspected human carcinogen.
Oxirane (CAS 75-21-8)	Suspected human carcinogen.

Canada - Manitoba OELs: carcinogenicity

1,4-DIOXANE (CAS 123-91-1)	Confirmed animal carcinogen with unknown relevance to humans.
Arsenic and inorganic compounds, as As (CAS 7440-38-2)	Confirmed human carcinogen.
CADMIUM AND COMPOUNDS, AS CD, RESPIRABLE FRACTION (CAS 7440-43-9)	Suspected human carcinogen.
ETHYLENE OXIDE (CAS 75-21-8)	Suspected human carcinogen.
LEAD AND INORGANIC COMPOUNDS, AS PB (CAS 7439-92-1)	Confirmed animal carcinogen with unknown relevance to humans.
MINERAL OIL, EXCLUDING METAL WORKING FLUIDS, POORLY AND MILDLY REFINED (CAS 64742-58-1)	Suspected human carcinogen.
PROPYLENE OXIDE (CAS 75-56-9)	Confirmed animal carcinogen with unknown relevance to humans.

Canada - Quebec OELs: Carcinogen category

1,4-Dioxane (CAS 123-91-1)	Detected carcinogenic effect in animals.
Cadmium (CAS 7440-43-9)	Suspected carcinogenic effect in humans.
Ethyl acrylate (CAS 140-88-5)	Detected carcinogenic effect in animals.
Lead (CAS 7439-92-1)	Detected carcinogenic effect in animals.
Oxirane (CAS 75-21-8)	Suspected carcinogenic effect in humans.
Propylene oxide (CAS 75-56-9)	Suspected carcinogenic effect in humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

1,4-Dioxane (CAS 123-91-1)	Volume 11, Supplement 7, Volume 71 - 2B Possibly carcinogenic to humans.
Arsenic (CAS 7440-38-2)	Volume 23, Supplement 7, Volume 100C 1 Carcinogenic to humans.
Cadmium (CAS 7440-43-9)	Volume 58, Volume 100C 1 Carcinogenic to humans.

Ethyl acrylate (CAS 140-88-5)	Volume 39, Supplement 7, Volume 71 - 2B Possibly carcinogenic to humans.
Lead (CAS 7439-92-1)	Volume 23, Supplement 7 - 2B Possibly carcinogenic to humans.
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0)	Volume 33, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans.
Oxirane (CAS 75-21-8)	Volume 97, Volume 100F 1 Carcinogenic to humans.
Propylene oxide (CAS 75-56-9)	Volume 60 - 2B Possibly carcinogenic to humans.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,4-Dioxane (CAS 123-91-1)
Arsenic (CAS 7440-38-2)
Cadmium (CAS 7440-43-9)
Ethyl acrylate (CAS 140-88-5)
Lead (CAS 7439-92-1)
Oxirane (CAS 75-21-8)
Propylene oxide (CAS 75-56-9)

US NTP Report on Carcinogens: Anticipated carcinogen

1,4-Dioxane (CAS 123-91-1)	Reasonably Anticipated to be a Human Carcinogen.
Lead (CAS 7439-92-1)	Reasonably Anticipated to be a Human Carcinogen.
Propylene oxide (CAS 75-56-9)	Reasonably Anticipated to be a Human Carcinogen.

US NTP Report on Carcinogens: Known carcinogen

Arsenic (CAS 7440-38-2)	Known To Be Human Carcinogen.
Cadmium (CAS 7440-43-9)	Known To Be Human Carcinogen.
Lubricating oils, petroleum, hydrotreated spent (CAS 64742-58-1)	Known To Be Human Carcinogen.
Oxirane (CAS 75-21-8)	Known To Be Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Arsenic (CAS 7440-38-2)	Cancer
Cadmium (CAS 7440-43-9)	Cancer
Oxirane (CAS 75-21-8)	Cancer

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Teratogenicity	Not available.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data

Components		Species	Test Results
2,6-Di-tert-butylphenol (CAS 128-39-2)			
Crustacea	EC50	Daphnia	0.45 mg/L, 48 Hours
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0)			
Crustacea	EC50	Daphnia	1000 mg/L, 48 Hours

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Mobility in general	Not available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Canada CEPA Schedule I: Listed substance

Arsenic (CAS 7440-38-2)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Lead (CAS 7439-92-1)	Listed.
Oxirane (CAS 75-21-8)	Listed.
Propylene oxide (CAS 75-56-9)	Listed.

Canada DSL Challenge Substances: Listed substance

1,4-Dioxane (CAS 123-91-1)	Listed.
Ethyl acrylate (CAS 140-88-5)	Listed.
Propylene oxide (CAS 75-56-9)	Listed.

Canada Priority Substances List (Second List): Listed substance

Oxirane (CAS 75-21-8)	Listed.

Canada SNAc Reporting Requirements: Listed substance/Publication date

Propylene oxide (CAS 75-56-9)	12/21/2011 Listed.

Export Control List (CEPA 1999, Schedule 3)

Oxirane (CAS 75-21-8)	Substance subject to notification or consent.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Not applicable

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

1,4-Dioxane (CAS 123-91-1)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Ethyl acrylate (CAS 140-88-5)	Listed.
Lead (CAS 7439-92-1)	Listed.
Oxirane (CAS 75-21-8)	Listed.
Propylene oxide (CAS 75-56-9)	Listed.

US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity

Oxirane (CAS 75-21-8)	10 LBS
Propylene oxide (CAS 75-56-9)	100 LBS

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Arsenic (CAS 7440-38-2)	Cancer
Cadmium (CAS 7440-43-9)	Cancer
Lead (CAS 7439-92-1)	Reproductive toxicity
Oxirane (CAS 75-21-8)	Cancer
Arsenic (CAS 7440-38-2)	Liver
Cadmium (CAS 7440-43-9)	Lung
Lead (CAS 7439-92-1)	Central nervous system
Oxirane (CAS 75-21-8)	Reproductive toxicity
Arsenic (CAS 7440-38-2)	Skin
Cadmium (CAS 7440-43-9)	Kidney
Lead (CAS 7439-92-1)	Kidney
Oxirane (CAS 75-21-8)	Mutagenicity

Arsenic (CAS 7440-38-2)	Respiratory irritation
Cadmium (CAS 7440-43-9)	Acute toxicity
Lead (CAS 7439-92-1)	Blood
Oxirane (CAS 75-21-8)	Central nervous system
Arsenic (CAS 7440-38-2)	Nervous system
Lead (CAS 7439-92-1)	Acute toxicity
Oxirane (CAS 75-21-8)	Skin sensitization
Arsenic (CAS 7440-38-2)	Acute toxicity
Oxirane (CAS 75-21-8)	Skin irritation
	Eye irritation
	respiratory tract irritation
	Acute toxicity
	Flammability

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
No

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

1,4-Dioxane (CAS 123-91-1)
Arsenic (CAS 7440-38-2)
Cadmium (CAS 7440-43-9)
Ethyl acrylate (CAS 140-88-5)
Lead (CAS 7439-92-1)
Oxirane (CAS 75-21-8)
Propylene oxide (CAS 75-56-9)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Oxirane (CAS 75-21-8)
Propylene oxide (CAS 75-56-9)

US state regulations

US - California Hazardous Substances (Director's): Listed substance

1,4-Dioxane (CAS 123-91-1)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Ethyl acrylate (CAS 140-88-5)	Listed.
Lead (CAS 7439-92-1)	Listed.
Oxirane (CAS 75-21-8)	Listed.
Propylene oxide (CAS 75-56-9)	Listed.

US - Illinois Chemical Safety Act: Listed substance

1,4-Dioxane (CAS 123-91-1)
Arsenic (CAS 7440-38-2)
Cadmium (CAS 7440-43-9)
Ethyl acrylate (CAS 140-88-5)
Lead (CAS 7439-92-1)
Oxirane (CAS 75-21-8)
Propylene oxide (CAS 75-56-9)

US - Louisiana Spill Reporting: Listed substance

1,4-Dioxane (CAS 123-91-1)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Ethyl acrylate (CAS 140-88-5)	Listed.
Lead (CAS 7439-92-1)	Listed.
Oxirane (CAS 75-21-8)	Listed.
Propylene oxide (CAS 75-56-9)	Listed.

US - Michigan Critical Materials Register: Parameter number

Arsenic (CAS 7440-38-2)	ARSENIC
Cadmium (CAS 7440-43-9)	CADMIUM
Lead (CAS 7439-92-1)	LEAD

US - Minnesota Haz Subs: Listed substance

1,4-Dioxane (CAS 123-91-1)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Ethyl acrylate (CAS 140-88-5)	Listed.
Lead (CAS 7439-92-1)	Listed.
Oxirane (CAS 75-21-8)	Listed.
Propylene oxide (CAS 75-56-9)	Listed.

US - New Jersey RTK - Substances: Listed substance

1,4-Dioxane (CAS 123-91-1)
Arsenic (CAS 7440-38-2)
Cadmium (CAS 7440-43-9)
Ethyl acrylate (CAS 140-88-5)
Lead (CAS 7439-92-1)
Oxirane (CAS 75-21-8)
Propylene oxide (CAS 75-56-9)

US - North Carolina Toxic Air Pollutants: Listed substance

1,4-Dioxane (CAS 123-91-1)
Arsenic (CAS 7440-38-2)
Cadmium (CAS 7440-43-9)
Oxirane (CAS 75-21-8)

US - Pennsylvania RTK - Hazardous Substances: Special hazard

1,4-Dioxane (CAS 123-91-1)
Arsenic (CAS 7440-38-2)
Cadmium (CAS 7440-43-9)
Ethyl acrylate (CAS 140-88-5)
Oxirane (CAS 75-21-8)
Propylene oxide (CAS 75-56-9)

US - Texas Effects Screening Levels: Listed substance

1,4-Dioxane (CAS 123-91-1)	Listed.
2,6-Di-tert-butylphenol (CAS 128-39-2)	Listed.
Arsenic (CAS 7440-38-2)	Listed.
Cadmium (CAS 7440-43-9)	Listed.
Ethyl acrylate (CAS 140-88-5)	Listed.
Lead (CAS 7439-92-1)	Listed.
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS 72623-86-0)	Listed.
Lubricating oils, petroleum, hydrotreated spent (CAS 64742-58-1)	Listed.
Oxirane (CAS 75-21-8)	Listed.
Propylene oxide (CAS 75-56-9)	Listed.

US - Washington Chemical of High Concern to Children: Listed substance

1,4-Dioxane (CAS 123-91-1)
Arsenic (CAS 7440-38-2)
Cadmium (CAS 7440-43-9)

US. Massachusetts RTK - Substance List

1,4-Dioxane (CAS 123-91-1)
Arsenic (CAS 7440-38-2)
Cadmium (CAS 7440-43-9)
Ethyl acrylate (CAS 140-88-5)
Lead (CAS 7439-92-1)
Oxirane (CAS 75-21-8)
Propylene oxide (CAS 75-56-9)

US. New Jersey Worker and Community Right-to-Know Act

1,4-Dioxane (CAS 123-91-1)
Arsenic (CAS 7440-38-2)
Cadmium (CAS 7440-43-9)
Ethyl acrylate (CAS 140-88-5)
Lead (CAS 7439-92-1)
Oxirane (CAS 75-21-8)
Propylene oxide (CAS 75-56-9)

US. Pennsylvania Worker and Community Right-to-Know Law

1,4-Dioxane (CAS 123-91-1)
Arsenic (CAS 7440-38-2)
Cadmium (CAS 7440-43-9)
Ethyl acrylate (CAS 140-88-5)
Lead (CAS 7439-92-1)
Oxirane (CAS 75-21-8)

Propylene oxide (CAS 75-56-9)

US. Rhode Island RTK

1,4-Dioxane (CAS 123-91-1)
Arsenic (CAS 7440-38-2)
Cadmium (CAS 7440-43-9)
Ethyl acrylate (CAS 140-88-5)
Lead (CAS 7439-92-1)
Oxirane (CAS 75-21-8)
Propylene oxide (CAS 75-56-9)

US. California Proposition 65

WARNING: This product can expose you to chemicals including Ethyl acrylate, which is known to the State of California to cause cancer, and Lead, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,4-Dioxane (CAS 123-91-1)	Listed: January 1, 1988
Arsenic (CAS 7440-38-2)	Listed: February 27, 1987
Cadmium (CAS 7440-43-9)	Listed: October 1, 1987
Ethyl acrylate (CAS 140-88-5)	Listed: July 1, 1989
Lead (CAS 7439-92-1)	Listed: October 1, 1992
Oxirane (CAS 75-21-8)	Listed: July 1, 1987
Propylene oxide (CAS 75-56-9)	Listed: October 1, 1988

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Cadmium (CAS 7440-43-9)	Listed: May 1, 1997
Lead (CAS 7439-92-1)	Listed: February 27, 1987
Oxirane (CAS 75-21-8)	Listed: August 7, 2009

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

Lead (CAS 7439-92-1)	Listed: February 27, 1987
Oxirane (CAS 75-21-8)	Listed: February 27, 1987

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Cadmium (CAS 7440-43-9)	Listed: May 1, 1997
Lead (CAS 7439-92-1)	Listed: February 27, 1987
Oxirane (CAS 75-21-8)	Listed: August 7, 2009

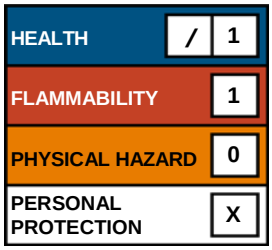
Inventory status

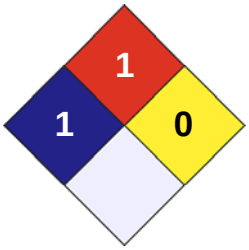
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0





Disclaimer The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date 27-July-2018

Version # 03

Effective date 27-July-2018

Prepared by Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

Other information For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.