SAFETY DATA SHEET



1. Identification

Product identifier	Liquid Wrench Penetrant & Lubricant		
Other means of identification			
SDS number	LED411		
Part No.	LED411		
Tariff code	3403.19.1000		
Recommended use	Penetrant/Lubricant		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/	Distributor information		
Manufacturer			
Company name	RSC Chemical Solutions		
Address	600 Radiator Road		
	Indian Trail, NC 28079 United States		
Telephone	Customer Service:	(704) 821-7643	
	Technical:	(704) 821-7643	
Website	www.rscbrands.com		
E-mail	sds@rscbrands.com	(000) 000 5710	
Emergency phone number	Emergency Telephone: Emergency Contact:	(303) 623-5716 RMPDC (877) 7	40-5015
	Emorgonoy Contact.		
2. Hazard(s) identification			
Physical hazards	Flammable aerosols		Category 1
Health hazards	Skin corrosion/irritation		Category 2
	Serious eye damage/eye irr	itation	Category 2
	Sensitization, skin		Category 1B
	Specific target organ toxicity	y, single exposure	Category 3 narcotic effects
	Aspiration hazard		Category 1
Environmental hazards	Hazardous to the aquatic environment, long-term hazard		Category 2
OSHA defined hazards	Not classified.		
Label elements			

Signal word Hazard statement

Precautionary statement Prevention Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing gas. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves.

Danger

Response	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.	
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Hazard(s) not otherwise classified (HNOC)	Combustible.	
Supplemental information	77.78% of the mixture consists of component(s) of unknown acute oral toxicity. 77.78% of the mixture consists of component(s) of unknown acute dermal toxicity. 89.91% of the mixture consists of component(s) of unknown acute inhalation toxicity. 81.68% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 35.66% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.	
	NOTE: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The container label may not include the OSHA label elements listed in this document. Always carefully review the entire SDS and the product label prior to use in the workplace.	
3 Composition/information on ingredients		

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Distillates (petroleum), Hydrotreated Light		64742-47-8	40 - < 50
2-(2-butoxyéthoxy) Éthanol		112-34-5	10 - < 20
Distillates (petroleum), Hydrotreated Heavy Naphthenic		64742-52-5	10 - < 20
1,6,10-dodecatriene, 7,11-dimethyl-3-methylene-, (6e)-, Hydrogenated		1581740-29-5	5 - < 10
Soybean Oil		8001-22-7	5 - < 10
Corrosion Inhibitor		Mixture	3 - < 5
Carbon Dioxide		124-38-9	1 - < 3
Oleoyl Sarcosine		110-25-8	< 0.3
Bht (butylated Hydroxytoluene)		128-37-0	< 0.2
Other components below reportable I	evels		3 - < 5

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	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.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Fire-fighting measures

5. Fire-fighting measures	
Suitable extinguishing media	Alcohol resistant foam. Powder. Dry chemicals. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
General fire hazards	Extremely flammable aerosol. Combustible.
6. Accidental release meas	sures
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Avoid breathing gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Isolate area until gas has dispersed. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. 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.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage,	Level 2 Aerosol.
including any incompatibilities	Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Keep out of the reach of children.

8. Exposure controls/personal protection

Occupational exposure limits

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.

Components	Туре	Value	Form
Carbon Dioxide (CAS 124-38-9)	PEL	9000 mg/m3	
		5000 ppm	

Components	Туре	Value	Form
Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)	PEL	5 mg/m3	Mist.
		2000 mg/m3	
		500 ppm	
Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8)	PEL	400 mg/m3	
		100 ppm	
Soybean Oil (CAS 8001-22-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
US. ACGIH Threshold Limit Components	t Values Type	Value	Form
2-(2-butoxyéthoxy) Éthanol (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.
Bht (butylated Hydroxytoluene) (CAS 128-37-0)	TWA	2 mg/m3	Inhalable fraction and vapor.
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide t Components	o Chemical Hazards Type	Value	Form
Bht (butylated Hydroxytoluene) (CAS 128-37-0)	TWA	10 mg/m3	
Carbon Dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)	Ceiling	1800 mg/m3	
	STEL	10 mg/m3	Mist.
Soybean Oil (CAS 8001-22-7)	TWA	5 mg/m3	Respirable mist.
		10 mg/m3	Total mist
ogical limit values	No biological exposure limits noted for the ing	gredient(s).	
ropriate engineering trols	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 ventilati or other engineering controls to maintain airborne levels below recommended exposure limits. exposure limits have not been established, maintain airborne levels to an acceptable level. Pro eyewash station. Eye wash fountain and emergency showers are recommended.		rres, local exhaust ventilation mmended exposure limits. to an acceptable level. Pro
vidual protection measures	, such as personal protective equipment		
Eye/face protection	Not available.		
Skin protection			
Hand protoction	Wear appropriate chamical resistant gloves		

. Hand protection

Other	Wear appropriate chemical resistant clothing.	
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece. Chemical respirator with organic vapor cartridge and full facepiece if threshold limits are exceeded.	
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.	
General hygiene considerations	When using do not 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. Contaminated work clothing should not be allowed out of the workplace.	

9. Physical and chemical properties

Appearance	Opaque Liquid
Physical state	Liquid, Gas.
Form	Aerosol.
Color	Light brownto Tan.
Odor	Sweet Vanilla
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-90.58 °F (-68.1 °C) estimated
Initial boiling point and boiling range	446.72 °F (230.4 °C) estimated
Flash point	> 200.0 °F (> 93.3 °C) Tag Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable. Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	0.7 % estimated
Flammability limit - upper (%)	5 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	8.72 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	442 °F (227.78 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	6.93 lbs/gal
Explosive properties	Not explosive.
Flame extension	> 31 in
Flammability (flash back)	No
Heat of combustion (NFPA 30B)	27.16 kJ/g estimated
Oxidizing properties	Not oxidizing.
Percent volatile	14.63 % estimated
Specific gravity	0.83
VOC	< 1 % w/w

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.	
Chemical stability	Material is stable under normal conditions.	
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.	
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.	
Incompatible materials	Strong oxidizing agents.	
Hazardous decomposition products	No hazardous decomposition products are known.	

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.	
Skin contact	Causes skin irritation. May cause an allergic skin reaction.	
Eye contact	Causes serious eye irritation.	
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.	
Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.	

Information on toxicological effects

Acute toxicity	May be fatal if swallowed and enters airways.	
Components	Species Test Results	
2-(2-butoxyéthoxy) Éthanol (CAS	112-34-5)	
Acute		
Dermal		
LD50	Rabbit	2700 mg/kg
Oral		
LD50	Rat	4500 mg/kg
Bht (butylated Hydroxytoluene) (0	CAS 128-37-0)	
Acute		
Oral		
LD50	Rat	890 mg/kg
* Estimates for product may	be based on additional component c	lata not shown.
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitization	on	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	May cause an allergic skin reaction.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Not classifiable as to carcinogenicity to humans.	
IARC Monographs. Overall	Evaluation of Carcinogenicity	
		Not classifiable as to carcinogenicity to humans.
	ed Substances (29 CFR 1910.1001	-1052)
Not regulated.		
Not listed.	ogram (NTP) Report on Carcinoge	ens
	This product is not expected to source controductive or developmental effects	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	

Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.			
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.			
12. Ecological information	ı			
Ecotoxicity		atic life with long lasting effects.		
Components		Species	Test Results	
2-(2-butoxyéthoxy) Éthanol (C	CAS 112-34-5)	•		
Aquatic				
Fish	LC50	Bluegill (Lepomis macrochirus)	1300 mg/l, 96 hours	
Bht (butylated Hydroxytoluen Aquatic	e) (CAS 128-37	7-0)		
Crustacea	EC50	Water flea (Daphnia pulex)	1.44 mg/l, 48 hours	
Distillates (petroleum), Hydro Aquatic	treated Light (C	CAS 64742-47-8)		
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/l, 48 hours	
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/l, 96 hours	
Bioaccumulative potential Partition coefficient n-octar 1,6,10-dodecatriene, 7,11-din Hydrogenated 2-(2-butoxyéthoxy) Éthanol			17, Log Kow	
Mobility in soil	No data avai			
Other adverse effects	No other adv	verse environmental effects (e.g. ozone	depletion, photochemical ozone creation ential) are expected from this component.	
13. Disposal consideration	ns			
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.			
Local disposal regulations	Dispose in a	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	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.			
14. Transport information				
DOT .				
UN number	Not available	9.		

UN number	Not available.
UN proper shipping name	Consumer Commodity
Transport hazard class(es)	
Class	ORM-D
Subsidiary risk	-
Packing group	Not available.
Special precautions for user	Not available.

Packaging exceptions	306
Packaging non bulk	302, 304
Packaging bulk	302, 314, 315
ΙΑΤΑ	
UN number	UN1950
UN proper shipping name	Aerosol, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not available.
Environmental hazards	Yes
Special precautions for user	Not available.
IMDG	
UN number	UN1950
UN proper shipping name	Aerosols, MARINE POLLUTANT
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not available.
Environmental hazards	
Marine pollutant	Yes
EmS	F-D, S-U
Special precautions for user	Not available.
Transport in bulk according to	Not established.
Annex II of MARPOL 73/78 and	
the IBC Code	
IATA; IMDG	



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

15. Regulatory information

US federal regulations

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

Listed.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

2-(2-butoxyéthoxy) Éthanol (CAS 112-34-5)

SARA 304 Emergency release notification

Not regulated.

un aufun al Ama ar sins suite a si D			
SARA 302 Extremely hazar	eauthorization Act of 1986 (SARA)		
Not listed.			
SARA 311/312 Hazardous chemical	No (Exempt)		
SARA 313 (TRI reporting) Chemical name	CAS number	% by wt.	
2-(2-butoxyéthoxy) Éthai	nol 112-34-5	10 - < 20	
ther federal regulations			
Clean Air Act (CAA) Section	n 112 Hazardous Air Pollutants (HAPs) Lis	t	
	nol (CAS 112-34-5) n 112(r) Accidental Release Prevention (40	CFR 68.130)	
Not regulated.	N		
Safe Drinking Water Act (SDWA)	Not regulated.		
S state regulations	California Safe Drinking Water and Toxic E is not known to contain any chemicals curr		
California Proposition 65			
subd. (a)) 2-(2-butoxyéthoxy) I	ate Chemicals List. Safer Consumer Produ Éthanol (CAS 112-34-5) n), Hydrotreated Heavy Naphthenic (CAS 64		de Regs, tit. 22, 69502.3,
subd. (a)) 2-(2-butoxyéthoxy) I	Éthanol (CAS 112-34-5)		de Regs, tit. 22, 69502.3,
subd. (a)) 2-(2-butoxyéthoxy) I Distillates (petroleur	Éthanol (CAS 112-34-5)		
subd. (a)) 2-(2-butoxyéthoxy) f Distillates (petroleur nternational Inventories	Éthanol (CAS 112-34-5) n), Hydrotreated Heavy Naphthenic (CAS 64	742-52-5)	On inventory (yes/no)
subd. (a)) 2-(2-butoxyéthoxy) f Distillates (petroleur nternational Inventories Country(s) or region	Éthanol (CAS 112-34-5) n), Hydrotreated Heavy Naphthenic (CAS 64 Inventory name	742-52-5)	On inventory (yes/no) Yes
subd. (a)) 2-(2-butoxyéthoxy) E Distillates (petroleur Iternational Inventories Country(s) or region Australia	Éthanol (CAS 112-34-5) n), Hydrotreated Heavy Naphthenic (CAS 64 Inventory name Australian Inventory of Chemical Substanc	742-52-5)	On inventory (yes/no) Yes No
subd. (a)) 2-(2-butoxyéthoxy) f Distillates (petroleur nternational Inventories Country(s) or region Australia Canada	Éthanol (CAS 112-34-5) n), Hydrotreated Heavy Naphthenic (CAS 64 Inventory name Australian Inventory of Chemical Substance Domestic Substances List (DSL)	742-52-5) ces (AICS)	On inventory (yes/no) Yes No No
subd. (a)) 2-(2-butoxyéthoxy) f Distillates (petroleur aternational Inventories Country(s) or region Australia Canada Canada	Éthanol (CAS 112-34-5) n), Hydrotreated Heavy Naphthenic (CAS 64 Inventory name Australian Inventory of Chemical Substance Domestic Substances List (DSL) Non-Domestic Substances List (NDSL)	742-52-5) ces (AICS) s in China (IECSC)	On inventory (yes/no) Yes No No No
subd. (a)) 2-(2-butoxyéthoxy) E Distillates (petroleur aternational Inventories Country(s) or region Australia Canada Canada China	Éthanol (CAS 112-34-5) n), Hydrotreated Heavy Naphthenic (CAS 64 Inventory name Australian Inventory of Chemical Substance Domestic Substances List (DSL) Non-Domestic Substances List (NDSL) Inventory of Existing Chemical Substances European Inventory of Existing Commercia	742-52-5) ces (AICS) s in China (IECSC) al Chemical	On inventory (yes/no) Yes Na Na Na Na
subd. (a)) 2-(2-butoxyéthoxy) f Distillates (petroleur aternational Inventories Country(s) or region Australia Canada Canada China Europe	Éthanol (CAS 112-34-5) m), Hydrotreated Heavy Naphthenic (CAS 64 Inventory name Australian Inventory of Chemical Substance Domestic Substances List (DSL) Non-Domestic Substances List (NDSL) Inventory of Existing Chemical Substances European Inventory of Existing Commercia Substances (EINECS)	742-52-5) ces (AICS) s in China (IECSC) al Chemical ances (ELINCS)	On inventory (yes/no) Yes No No No No
subd. (a)) 2-(2-butoxyéthoxy) E Distillates (petroleur nternational Inventories Country(s) or region Australia Canada Canada China Europe	Éthanol (CAS 112-34-5) m), Hydrotreated Heavy Naphthenic (CAS 64 Inventory name Australian Inventory of Chemical Substance Domestic Substances List (DSL) Non-Domestic Substances List (NDSL) Inventory of Existing Chemical Substances European Inventory of Existing Commercia Substances (EINECS) European List of Notified Chemical Substances	742-52-5) ces (AICS) s in China (IECSC) al Chemical ances (ELINCS)	On inventory (yes/no) Ye: Na Na Na Na Na Na
subd. (a)) 2-(2-butoxyéthoxy) E Distillates (petroleur aternational Inventories Country(s) or region Australia Canada Canada Canada China Europe Europe Japan	Éthanol (CAS 112-34-5) m), Hydrotreated Heavy Naphthenic (CAS 64 Inventory name Australian Inventory of Chemical Substance Domestic Substances List (DSL) Non-Domestic Substances List (NDSL) Inventory of Existing Chemical Substances European Inventory of Existing Commercia Substances (EINECS) European List of Notified Chemical Substa Inventory of Existing and New Chemical S	742-52-5) ces (AICS) s in China (IECSC) al Chemical ances (ELINCS)	On inventory (yes/no) Yes No No No No No No No No No
subd. (a)) 2-(2-butoxyéthoxy) f Distillates (petroleur aternational Inventories Country(s) or region Australia Canada Canada China Europe Europe Japan Korea	Éthanol (CAS 112-34-5) m), Hydrotreated Heavy Naphthenic (CAS 64 Inventory name Australian Inventory of Chemical Substance Domestic Substances List (DSL) Non-Domestic Substances List (NDSL) Inventory of Existing Chemical Substances European Inventory of Existing Commercia Substances (EINECS) European List of Notified Chemical Substa Inventory of Existing and New Chemical Substa	742-52-5) ces (AICS) s in China (IECSC) al Chemical unces (ELINCS) ubstances (ENCS)	de Regs, tit. 22, 69502.3, On inventory (yes/no) Yes Na Na Na Na Na Na Na Na Na Na Na Na Na
subd. (a)) 2-(2-butoxyéthoxy) E Distillates (petroleur nternational Inventories Country(s) or region Australia Canada Canada Canada China Europe Europe Japan Korea New Zealand	Éthanol (CAS 112-34-5) m), Hydrotreated Heavy Naphthenic (CAS 64 Inventory name Australian Inventory of Chemical Substance Domestic Substances List (DSL) Non-Domestic Substances List (NDSL) Inventory of Existing Chemical Substances European Inventory of Existing Commercia Substances (EINECS) European List of Notified Chemical Substa Inventory of Existing and New Chemical Si Existing Chemicals List (ECL) New Zealand Inventory Philippine Inventory of Chemicals and Chemicals	742-52-5) ces (AICS) s in China (IECSC) al Chemical unces (ELINCS) ubstances (ENCS) emical Substances	On inventory (yes/no) Yes No No No No No No No No No No No No
subd. (a)) 2-(2-butoxyéthoxy) E Distillates (petroleur aternational Inventories Country(s) or region Australia Canada Canada Canada China Europe Europe Japan Korea New Zealand Philippines	Éthanol (CAS 112-34-5) m), Hydrotreated Heavy Naphthenic (CAS 64 Inventory name Australian Inventory of Chemical Substance Domestic Substances List (DSL) Non-Domestic Substances List (NDSL) Inventory of Existing Chemical Substances European Inventory of Existing Commercia Substances (EINECS) European List of Notified Chemical Substa Inventory of Existing and New Chemical Substa Existing Chemicals List (ECL) New Zealand Inventory Philippine Inventory of Chemicals and Che (PICCS)	742-52-5) ces (AICS) s in China (IECSC) al Chemical unces (ELINCS) ubstances (ENCS) emical Substances	On inventory (yes/no) Ye: Na Na Na Na Na Na Na Na Na Na

16. Other information, including date of preparation or last revision

Issue date	02-08-2017
Revision date	10-24-2018
Version #	05
HMIS® ratings	Health: 3* Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 1 Instability: 0



Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.
Revision information	Physical & Chemical Properties: Multiple Properties HazReg Data: International Inventories GHS: Classification