

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

1. I roddol and company i			
Product identifier	LPS® ChainMate		
Version #	03		
Issue date	09-18-2013		
Revision date	06-29-2014		
Supersedes date	11-06-2013		
CAS #	Mixture		
Part Number	02416, C02416		
Product use	A spray lubricant designed to penetrate chains and wire ropes, displace moisture and provide long lasting lubrication under high loads and humid conditions.		
Manufacturer information	LPS Laboratories, a division of Illinois Tool Works 4647 Hugh Howell Rd Tucker, Georgia 30084 United States www.lpslabs.com 1-800-241-8334/ 770-243-8800 Chemtrec 1-800-424-9300		
Supplier	Not available.		
2. Hazards Identification			
	DANGER		
Emergency overview	DANGER		
Emergency overview	Flammable. Aerosol. CONTENTS UNDER PRESSURE. Pressurized container may explode when exposed to heat or flame.		
Emergency overview	Flammable. Aerosol. CONTENTS UNDER PRESSURE.		
Potential health effects	Flammable. Aerosol. CONTENTS UNDER PRESSURE. Pressurized container may explode when exposed to heat or flame. Causes skin and eye irritation. Vapors may cause drowsiness and dizziness.		
Potential health effects Routes of exposure	Flammable. Aerosol. CONTENTS UNDER PRESSURE. Pressurized container may explode when exposed to heat or flame. Causes skin and eye irritation. Vapors may cause drowsiness and dizziness. Eye contact. Skin contact. Ingestion. Inhalation.		
Potential health effects Routes of exposure Eyes	 Flammable. Aerosol. CONTENTS UNDER PRESSURE. Pressurized container may explode when exposed to heat or flame. Causes skin and eye irritation. Vapors may cause drowsiness and dizziness. Eye contact. Skin contact. Ingestion. Inhalation. Avoid contact with eyes. May cause eye irritation. 		
Potential health effects Routes of exposure Eyes Skin	 Flammable. Aerosol. CONTENTS UNDER PRESSURE. Pressurized container may explode when exposed to heat or flame. Causes skin and eye irritation. Vapors may cause drowsiness and dizziness. Eye contact. Skin contact. Ingestion. Inhalation. Avoid contact with eyes. May cause eye irritation. Avoid contact with the skin. May cause skin irritation. 		
Potential health effects Routes of exposure Eyes Skin Inhalation	 Flammable. Aerosol. CONTENTS UNDER PRESSURE. Pressurized container may explode when exposed to heat or flame. Causes skin and eye irritation. Vapors may cause drowsiness and dizziness. Eye contact. Skin contact. Ingestion. Inhalation. Avoid contact with eyes. May cause eye irritation. Avoid contact with the skin. May cause skin irritation. Avoid breathing dust/fume/gas/mist/vapors/spray. Prolonged inhalation may be harmful. 		
Potential health effects Routes of exposure Eyes Skin	 Flammable. Aerosol. CONTENTS UNDER PRESSURE. Pressurized container may explode when exposed to heat or flame. Causes skin and eye irritation. Vapors may cause drowsiness and dizziness. Eye contact. Skin contact. Ingestion. Inhalation. Avoid contact with eyes. May cause eye irritation. Avoid contact with the skin. May cause skin irritation. 		
Potential health effects Routes of exposure Eyes Skin Inhalation	 Flammable. Aerosol. CONTENTS UNDER PRESSURE. Pressurized container may explode when exposed to heat or flame. Causes skin and eye irritation. Vapors may cause drowsiness and dizziness. Eye contact. Skin contact. Ingestion. Inhalation. Avoid contact with eyes. May cause eye irritation. Avoid contact with the skin. May cause skin irritation. Avoid breathing dust/fume/gas/mist/vapors/spray. Prolonged inhalation may be harmful. Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, 		
Potential health effects Routes of exposure Eyes Skin Inhalation Ingestion	 Flammable. Aerosol. CONTENTS UNDER PRESSURE. Pressurized container may explode when exposed to heat or flame. Causes skin and eye irritation. Vapors may cause drowsiness and dizziness. Eye contact. Skin contact. Ingestion. Inhalation. Avoid contact with eyes. May cause eye irritation. Avoid contact with the skin. May cause skin irritation. Avoid breathing dust/fume/gas/mist/vapors/spray. Prolonged inhalation may be harmful. Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Do not ingest. 		
Potential health effects Routes of exposure Eyes Skin Inhalation Ingestion Target organs	 Flammable. Aerosol. CONTENTS UNDER PRESSURE. Pressurized container may explode when exposed to heat or flame. Causes skin and eye irritation. Vapors may cause drowsiness and dizziness. Eye contact. Skin contact. Ingestion. Inhalation. Avoid contact with eyes. May cause eye irritation. Avoid contact with the skin. May cause skin irritation. Avoid breathing dust/fume/gas/mist/vapors/spray. Prolonged inhalation may be harmful. Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Do not ingest. Central nervous system. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, 		

3. Composition / Information on Ingredients

Hazardous components	CAS #	Percent	
ACETONE	67-64-1	< 10	
Non-hazardous components	CAS #	Percent	
residual oils, petroleum, solvent refined	64742-01-4	60 - 70	
Petroleum Gases, Liquefied, Sweetened	68476-86-8	20 - 30	
Distillates Petroleum, Hydroteated Light	64742-47-8	1 - 5	
Petroleum Oil	64741-88-4	1 - 5	

4. First Aid Measures

First aid procedures	
Eye contact	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if irritation develops and persists.
Skin contact	Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if you feel unwell.
Ingestion	Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Notes to physician	Provide general supportive measures and treat symptomatically.
General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties	Flammable by WHMIS criteria. Heat may cause the containers to explode. Ruptured cylinders may rocket.
Extinguishing media	
Suitable extinguishing media	Powder. Water. Foam. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Protection of firefighters	
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame. Fire may produce irritating, corrosive and/or toxic gases.
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Fire fighting equipment/instructions	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Containers should be cooled with water to prevent vapor pressure build up.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.
Explosion data	
Sensitivity to static discharge	Yes
Sensitivity to mechanical impact	None known.
Hazardous combustion products	May include oxides of carbon.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. For personal protection, see section 8 of the MSDS.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
Methods for containment	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Keep out of low areas. Prevent entry into waterways, sewer, basements or confined areas.
Methods for cleaning up	Should not be released into the environment. Stop the flow of material, if this is without risk. Isolate area until gas has dispersed. Following product recovery, flush area with water. Clean up in accordance with all applicable regulations. For waste disposal, see section 13 of the MSDS.
Other information	Clean up in accordance with all applicable regulations.

7. Handling and Storage

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. Do not re-use empty containers. Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure. Do not get this material on clothing. Do not use in areas without adequate ventilation. Wash thoroughly after handling. Avoid release to the environment.
Storage	Keep locked up. Contents under pressure. The pressure in sealed containers can increase under the influence of heat. Do not expose to heat or store at temperatures above 120 °F/49 °C as can may burst. 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. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the MSDS). Keep away from food, drink and animal feedingstuffs. Keep in an area equipped with sprinklers.

8. Exposure Controls / Personal Protection

ACGIH Components	Туре	Value	Form
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8)	TWA	5 mg/m3	Oil mist
US. ACGIH Threshold Limit Value			
Components	Туре	Value	
ACETONE (CAS 67-64-1)	STEL	750 ppm	
	TWA	500 ppm	
Canada. Alberta OELs (Occupatio	onal Health & Safety Code, Sc	hedule 1, Table 2)	
Components	Туре	Value	
ACETONE (CAS 67-64-1)	STEL	1800 mg/m3	
		750 ppm	
	TWA	1200 mg/m3	
		500 ppm	
Safety Regulation 296/97, as ame Components	Туре	Value	Form
ACETONE (CAS 67-64-1)	STEL	500 ppm	
ACETONE (CAS 67-64-1)	STEL TWA	500 ppm 250 ppm	
Distillates Petroleum, Hydroteated Light (CAS			Non-aerosol.
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8)	TWA TWA	250 ppm 200 mg/m3	Non-aerosol.
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8) Canada. Manitoba OELs (Reg. 217	TWA TWA	250 ppm 200 mg/m3	Non-aerosol.
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8) Canada. Manitoba OELs (Reg. 217 Components	TWA TWA 7/2006, The Workplace Safety	250 ppm 200 mg/m3 And Health Act)	Non-aerosol.
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8) Canada. Manitoba OELs (Reg. 217 Components	TWA TWA 7/2006, The Workplace Safety Type	250 ppm 200 mg/m3 And Health Act) Value	Non-aerosol.
ACETONE (CAS 67-64-1) Distillates Petroleum, Hydroteated Light (CAS 64742-47-8) Canada. Manitoba OELs (Reg. 217 Components ACETONE (CAS 67-64-1) Canada. Ontario OELs. (Control o	TWA TWA 7/2006, The Workplace Safety Type STEL TWA	250 ppm 200 mg/m3 And Health Act) Value 750 ppm 500 ppm	Non-aerosol.
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8) Canada. Manitoba OELs (Reg. 217 Components ACETONE (CAS 67-64-1) Canada. Ontario OELs. (Control o	TWA TWA 7/2006, The Workplace Safety Type STEL TWA	250 ppm 200 mg/m3 And Health Act) Value 750 ppm 500 ppm	Non-aerosol.
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8) Canada. Manitoba OELs (Reg. 217 Components ACETONE (CAS 67-64-1) Canada. Ontario OELs. (Control o Components	TWA TWA 7/2006, The Workplace Safety Type STEL TWA of Exposure to Biological or C	250 ppm 200 mg/m3 And Health Act) Value 750 ppm 500 ppm hemical Agents)	Non-aerosol.
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8) Canada. Manitoba OELs (Reg. 217 Components ACETONE (CAS 67-64-1)	TWA TWA 7/2006, The Workplace Safety Type STEL TWA of Exposure to Biological or C Type	250 ppm 200 mg/m3 And Health Act) Value 750 ppm 500 ppm hemical Agents) Value	Non-aerosol.
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8) Canada. Manitoba OELs (Reg. 217 Components ACETONE (CAS 67-64-1) Canada. Ontario OELs. (Control o Components ACETONE (CAS 67-64-1) Canada. Quebec OELs. (Ministry o	TWA TWA 7/2006, The Workplace Safety Type STEL TWA of Exposure to Biological or C Type STEL TWA	250 ppm 200 mg/m3 And Health Act) Value 750 ppm 500 ppm hemical Agents) Value 750 ppm 500 ppm 500 ppm	
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8) Canada. Manitoba OELs (Reg. 217 Components ACETONE (CAS 67-64-1) Canada. Ontario OELs. (Control o Components	TWA TWA 7/2006, The Workplace Safety Type STEL TWA of Exposure to Biological or C Type STEL TWA of Labor - Regulation Respec	250 ppm 200 mg/m3 And Health Act) Value 750 ppm 500 ppm hemical Agents) Value 750 ppm 500 ppm 500 ppm	
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8) Canada. Manitoba OELs (Reg. 217 Components ACETONE (CAS 67-64-1) Canada. Ontario OELs. (Control o Components ACETONE (CAS 67-64-1) Canada. Quebec OELs. (Ministry o Components	TWA TWA 7/2006, The Workplace Safety Type STEL TWA of Exposure to Biological or C Type STEL TWA of Labor - Regulation Respec Type	250 ppm 200 mg/m3 And Health Act) Value 750 ppm 500 ppm hemical Agents) Value 750 ppm 500 ppm 500 ppm 500 ppm 500 ppm 200 mg/m3	

Components	Ty	/pe	Va	alue	Form
Distillates Petroleum, Hydroteated Light (CAS 64742-47-8)	P	EL	5	mg/m3	Oil mist
US. OSHA Table Z-1 Limits Components		ants (29 CFR 1910.1 /pe	•	alue	
ACETONE (CAS 67-64-1)	P	EL		100 mg/m3)00 ppm	
Biological limit values					
ACGIH Biological Exposure Components	e Indices Value	Determinant	Specimen	Sampling	Time
ACETONE (CAS 67-64-1)	50 mg/l	Acetone	Urine	*	
* - For sampling details, plea	se see the source of	document.			
Exposure guidelines					
Canada - British Columbia	OELs: Skin desig	nation			
Distillates Petroleum, Hy 64742-47-8)	/droteated Light (C/	AS Can b	be absorbed thro	ugh the skin.	
Engineering controls	Ensure adequate	e ventilation, especia	lly in confined ar	eas.	
Personal protective equipment					
Eye/face protection	Wear safety glas	sses with side shields	s (or goggles).		
Skin protection	Wear suitable p	otective clothing. Ch	emical resistant	gloves.	
Respiratory protection	No personal respiratory protective equipment normally required. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are n known, or any other circumstances where air-purifying respirators may not provide adequate protection.				
9. Physical & Chemical P	roperties				
Appearance					
Physical state	Gas.				
Form	Aerosol.				
Color	Dark grey. Black				
Odor	Slight petroleum	odor			
Odor threshold	Not established				
рН	Not applicable				
Vapor pressure	35 psi @ 75° F				

Vapor pressure	35 psi @ 75° F
Vapor density	>1
Boiling point	Not established
Melting point/Freezing point	Not established
Solubility (water)	16 % (Soluble)
Specific gravity	0.88 @ 20ºC
Relative density	Not available.
Flash point	< -4.0 ℉ (< -20.0 ℃) Tag Closed Cup
Flammability limits in air, upper, % by volume	Not established
Flammability limits in air, lower, % by volume	Not established
Auto-ignition temperature	Not established
VOC	22.33 % per US State and Federal Consumer Prodcut Regulations
Evaporation rate	Not established
Viscosity	150 cP @ 75° F / 23.9° C
Percent volatile	17 %

Percent volatile temperature	110 °F (43.33 ℃)
Partition coefficient (n-octanol/water)	Not established
Other data	
Decomposition temperature	Not established
Density	7.32
Heat of combustion	> 30 kJ/g

10. Chemical Stability & Reactivity Information

Chemical stability	Risk of explosion.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Strong acids.
Hazardous decomposition products	Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide, water and other products of combustion.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Toxicological data		
Components	Species	Test Results
ACETONE (CAS 67-64-1)		
Acute		
Dermal		
LD50	Rabbit	> 15800 mg/kg
		20 ml/kg
Inhalation		
LC50	Rat	55700 ppm
		76 mg/l, 4 Hours
		50.1 mg/l
		50.1 mg/l, 8 Hours
Oral		
LD50	Mouse	3000 mg/kg
	Rabbit	5340 mg/kg
	Rat	5800 mg/kg
		2.2 ml/kg
Other		-
LD50	Mouse	1297 mg/kg
	Rat	5500 mg/kg
Distillates Petroleum, Hydro	teated Light (CAS 64742-47-8)	
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC50	Cat	> 6.4 mg/l
	Rat	> 0.1 mg/l
Oral		
LD50	Rat	> 5000 mg/kg
Petroleum Oil (CAS 64741-	88-4)	
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg

Components	Species	Test Results
Inhalation		
LC50	Rat	> 2.5 mg/l
Oral		
LD50	Rat	> 2000 mg/kg
Acute effects	Based on available data, the classification criteria are not met.	
Sensitization	Based on available data, the classification criteria are not met.	
Local effects	Irritating to skin. Irritating to eyes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	
Chronic effects	Prolonged inhalation may be harmful.	
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
ACGIH Carcinogens		
ACETONE (CAS 67-64-1)	A4 Not classifia	able as a human carcinogen.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Serious eye damage/irritation	Direct contact with eyes may cause temporary irritation.	
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Reproductive effects	Based on available data, the classification criteria are not met.	
Teratogenicity	Not available.	
Symptoms and target organs	Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.	
Synergistic materials	Not available.	
Further information	None known.	

12. Ecological Information

Ecotoxicological data

Components		Species	Test Results
ACETONE (CAS 67-64-1)		•	
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	10294 - 17704 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Distillates Petroleum, Hydroteate	d Light (CAS	64742-47-8)	
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.9 mg/l, 96 hours
Ecotoxicity			ardous. However, this does not exclude the rmful or damaging effect on the environment
Environmental effects	Not classified as an environmental hazard.		
Aquatic toxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.		
Persistence and degradability			
Partition coefficient LPS® ChainMate ACETONE		> 1 -0.24	
Mobility in environmental media	The product is immiscible with water and will spread on the water surface.		
Other adverse effects	None known.		
13. Disposal Consideration	ons		
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents		

Disposal instruction	S
----------------------	---

under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

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. Do not re-use empty containers.
14 Transport Information	

14. Transport Information

TDG	
UN number	UN1950
UN proper shipping name	AEROSOLS, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	No
Special precautions for user	Read safety instructions, MSDS and emergency procedures before handling.
ΙΑΤΑ	
UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	No.
ERG Code	10L
	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed.
aircraft	
Cargo aircraft only	Allowed.
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	No
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA; IMDG; TDG



15. Regulatory Information

Canadian regulations	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
WHMIS status	Controlled
WHMIS classification	A - Compressed Gas B5 - Flammable Aerosols D2B - Other Toxic Effects-TOXIC

WHMIS labeling



International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	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) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information

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.
Prepared by	Not available.
This data sheet contains changes from the previous version in section(s):	Composition / Information on Ingredients: Ingredients Fire Fighting Measures: Hazardous combustion products Physical & Chemical Properties: Multiple Properties Transport Information: Material Transportation Information Transport Information: General information Regulatory Information: United States HazReg Data: North America GHS: Classification