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FOOD GRADE MACHINE OIL (8950001)

Food Grade Machine Oil is a lubricant and penetrant that minimizes friction, extends equipment life, and penetrates to provide complete surface coverage protection against wear and corrosion.



FEATURES

- NSF. Certified: H1 Registration # 129000
- Penetrates to loosen frozen nuts and bolts
- Provides excellent lubricity
- Colorless
- Metal detectable plastic components (see back for more details)
- Eliminates sticking, binding, and squeaking
- Non-staining lubricant
- Displaces water
- Safe on most surfaces



PACKAGE SIZE		SPECIFICATIONS AND APPROVALS
Net Contents 11 wt. oz. / 312 g / 376 Ml	Part No. 01316	 Meets FDA Regulation 21 C.F.R. 178.3570 for incidental food contact NSF- Certified: H1 Registration # 129000 Acceptable for use in Canadian food processing establishments
APPLICATIONS		
CastorsChainsChannels	 Conveyors Filling Equipment Food Racks Food Service Cart 	 Slicers Sliding Track
PROPERTIES		
Appearance/Physical State:	HMIS:	Temperature Range:
Clear liquid	1, 2, 0	0°F (-17°C) to 385°F (196°C)
Auto Ignition Temperature:	Propellant:	Vapor Pressure:
>490°F (228°C)	Carbon Dioxide	<0.05 mmHg @68°F (20°C)

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Coverage: 160 ft²/can @ 1 wet mil 80 ft²/can @ 2 wet mils

Evaporation Rate: <0.1 (BuAc=1)

Specific Gravity (water=1) 0.81-0.83 @ 68°F (20°C)

Spray Pattern:

Stream

VOC 0% per State & Federal Consumer Product Regulations 0 g/L per SCAQMD Rule 102

DIRECTIONS

Shake well before using. Apply on clean surface. Hold can 10-12 inches away from surface and spray evenly. If desired, attach extension tube for difficult to reach areas. Wipe off excess. Reapply as needed. Do not add directly to food. Use only in well ventilated areas. Avoid all sources of ignition (spark or flame).

STORAGE

Keep container in a cool, well-ventilated area. Avoid all sources of ignition (spark or flame). Store below 120°F. Store aerosols as Level 3 Aerosol (NFPA 30B). Store all materials in dry, well-ventilated area. Avoid breathing vapors.

DISPOSAL INFORMATION

Waste must be disposed of in accordance with national, regional, provincial, and local environmental control regulations.

MATERIAL SAFETY DATA SHEETS AVAILABLE UPON REQUEST OR VISIT OUR WEB SITE : WWW.LPSLABS.COM

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METAL DETECTABLE PLASTIC COMPONENTS

Cap Universal blue color for all Metal Detectable plastic components easily Actuat identifies them as a non-food object **Extension Tube** Alignment dot Highly visible NSF. OOD GRADE HI H1 labeling Premium quality product Certified food safe container AGEITE DE MÁQUINA GRADO ALIMENTICIO Dual language Lubricant and Penetrant Water Displacer labeling: **English and Spanish** Lubricante y penetrante Desplazador de agua METAL DETECTABLE PLASTIC COMPONENTS (PATENT PENDIN METALES DETECTABLES EN COMPONENTIS PLASTICOS (PATENTE PENDIENTE) 8-piece aerosol Part No./Pieza N° 01316 ntenido Neto: 11 wt. oz. / 312 g / 376 m can; 10% - 15% DANGER: FLAMMABLE, CONTENTS UNDER PRESSURE. HARMFUL OR FATAL IF SWALLOWED, READ CAUTIONS ON BACK PANEL lighter than a ELIGRO: INFLAMABLE. CONTENIDO BAJO PRESIÓN. DANINO O ITAL SI SE INGIERE. LEER LAS PRECAUCIONES DEL PANEL TRASER 9-piece aerosol can

LPS[®] Detex[™] Metal Detectable Plastic Components are designed to assist food processing plants in meeting strict HACCP requirements regarding the use of LPS[®] NSF₈ H1 aerosol products in the food processing area.

FEATURES	BENEFITS
All plastic components are Metal Detectable and capable of detection by most metal detection equipment.	Reduce concerns of food product contamination and assist with HACCP requirements.
All Metal Detectable plastic component ingredients are GRAS listed (Generally Accepted As Safe - 21C.F.R. Sections 177 and 178).	Meets FDA requirements as an acceptable material for use in food processing plants.
Easily identified NSF-H1 product labeling. NSF-H1 lubricants can have incidental food contact.	Distinct Food Grade product labeling helps to prevent use of non NSF-H1 approved LPS* products in the food processing area.
Lithographed labels – LPS [*] does not use paper labels.	No chance of torn paper labels contaminating food as it is processed.
Aerosol can is in compliance with the The Food Safety Net Services (FSNS). FDA 21 C.F.R.175.300, 1935/2004/EC.	Aerosol can does not contain: Heavy metals, BADGE, BFDGE, NOGE and Bisphenol-A (BPA).

NOTE:

- 1. Minimum detection limits will vary depending on individual customers' equipment and operating conditions. (See chart below)
- Plastic component detection limits are based on whole components. Partial components may not be detectable due to detector limitations, partial component size, malfunctioning equipment and/or the type of food product undergoing processing.
- LPS[®] Laboratories recommends that all components be tested prior to implementation (separately and included in the processed food product) and/or consult your specific metal detector equipment manufacturer directly.
- Product shelf life, warranty, and material safety data sheets are available at www.lpslabs.com. LPS[®] Laboratories is not responsible for use of this product inconsistent with its instructions and warnings.
- LPS® Laboratories is not responsible for failure to detect components due to detector limitations and/ or detector malfunctions. Refer to the metal detector manufacturer's design limitations, instructions, and warnings regarding the use, limitations, and proper maintenance of the equipment.

COMPONENT	EQUIVALENT TEST SPHERE SIZE
Aerosol Cap	>3.0 mm Ferrous
Actuator	2.2 mm Ferrous
Extension Tube	1.0 mm Ferrous

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SAFETY DATA SHEET

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SECTION 1: Identification of t	he substance/mix	ture and of the company/undertaking	
1.1. Product identifier			
Trade name or designation of the mixture	LPS® Food Grade	Machine Oil	
Registration number	-		
Synonyms	None.		
Part Number	01316		
Issue date	13-March-2013		
Version number	01		
1.2. Relevant identified uses of the	substance or mixture	and uses advised against	
Identified uses	A spray lubricant designed electrical equipment and applications.	ned to displace moisture from mechanical and nd provide a light-duty lubrication in food processing	
Uses advised against	None known.		
1.1. Details of the supplier of the sa	ifety data sheet		
Supplier Company name Address	Geocel Limited Western Wood Wa	y, Langage Science Park, Plympton,	
	Plymouth, PL7 5B0	3	
Telephone In Case of Emergency Manufacturer	United Kingdom +44 (0)1752 20206 +001 703-527-388	50 / +44 (0)1752 334384 7	
Company name Address Website	LPS Laboratories, 4647 Hugh Howell http://www.lpslabs.	a division of Illinois Tool Works, Inc. Rd., Tucker, GA 30084 (U.S.A.) com	
e-mail	sds@lpslabs.com		
SECTION 2: Hazards identific	ation		
1.3. Classification of the substance	or mixture		
The mixture has been assessed a following classification applies.	and/or tested for its phy	sical, health and environmental hazards and the	
Classification according to Directive	e 67/548/EEC or 1999/	45/EC as amended	
Classification	F+;R12		
Classification according to Regulati	on (EC) No 1272/2008	as amended	
Physical hazards Flammable aerosols	Category 1	H222 – Extremely flammable aerosol	
Hazard summary			
Physical hazards	Extremely flamm	able.	
Health hazards	Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects		

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Environmental hazards	Not c	lassified for hazard	ds to the environment.			
Specific hazards Extremely flammable.						
Main symptoms	Irritati stingi Short Symp crack dizzin	Irritating to eyes and respiratory system. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Shortness of breath. Discomfort in the chest. Skin irritation. Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.				
1.4. Label elements						
Label according to Regulation (EC	No. 1272/	2008 as amended				
Contains:	Distilla	ates Petroleum, Hyc	Irotreated Light			
Hazard pictograms	<u>N</u>					
Signal word	Dang	er				
Hazard statements						
H222	Extre	mely flammable a	erosol.			
Precautionary statements Prev P210 P211 P251	ention Keep Do no Press	away from heat/s ot spray on an ope surised container:	oarks/open flames/hot su n flame or other ignition s Do not pierce or burn, ev	rfaces No smokin ource. 'en after use.	ıg.	
Response	Not applicable.					
Storage						
P410 + P412 °C/122°F.	Prote	ct from sunlight. D	o not expose to temperat	ures exceeding 50		
Disposal P501	Dispo local/	se of contents/cor	ntainer in accordance with			
Supplemental label information	n Nota	policable.	nemational regulations.			
2.3. Other hazards	None	None known.				
SECTION 3: Compositio	n/inforn	nation on ingre	edients			
3.2. Mixtures General information	24					
Chemical hame	%	CA3-NO. / EC NO.	REACH Registration No.	INDEX NO.	Notes	
Distillates Petroleum, Hydrotreated Light	50-<60	64742-47-8 265-149-8	-	649-422-00-2		
Classification: DSD: Xn;R6 CLP: Asp. T	5 ox. 1;H30	4, Aquatic Chronic	2; H411			
Carbon dioxide Classification: DSD: - CLP: -	1-<3	124-38-9	-	-	#	
Other components below reportable leve	els	30-<40	iractive 67/549/EEC			
PBT: persistent, bioaccumulative and to:	kic substai	טפט: D nce. vPvB: v	ery persistent and verv bi	ioaccumulative sub	stance.	
M: M-factor #: This substance has been	assigned	Community workp	ace exposure limit(s).			

Notes

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SECTION 4: First aid measures

General information

IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

4.1. Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should give oxygen. Get medical attention if symptoms persist.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control centre immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconsious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

4.2. Most important symptoms and effects, both acute and delayed

Irritation of eyes and mucous membranes. Discomfort in the chest. Shortness of breath. Coughing. Skin irritation. Defatting of the skin. Prolonged exposure may cause chronic effects. Symptoms of overexposure can include shortness of breath, drowsiness, headaches, confusion, decreased coordination, visual disturbances and vomiting, and are reversible if exposure is stopped.

4.1. Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim under observation.

SECTION 5: Firefighting measures

General fire hazards

Extremely flammable aerosol.

5.1 Extinguishing media Suitable extinguishing Media

Dry chemicals. Carbon dioxide (CO2). Foam, water spray or fog.

Unsuitable extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Contents under pressure. Pressurised container may explode when exposed to heat or flame.

5.3 Advice for firefighters

Special protective equipment for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.

Special fire fighting procedures

In case of fire and/or explosion do not breathe fumes. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Cool containers exposed to heat with water spray and remove container, if no risk is involved. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Water runoff can cause environmental damage.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Local authorities should be advised if significant spillages cannot be contained. Consider initial downwind evacuation for at least 500meters (1/3 mile). Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Pay attention to flashback.

For emergency responders

Keep unnecessary personnel away

6.2 Environmental precautions

Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drain, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.

6.4 Reference to other sections

Not applicable.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Pressurised 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 prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. 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. Keep out of the reach of children.

7.3 Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

 Occupational exposure limits

 Austria. MAK List, OEL Ordinance (GwV), BGBI. II, no. 184/2001

 Components
 Type
 Value

 Carbon dioxide (CAS
 Ceiling
 18000 mg/m3

 124-38-9)
 10000 ppm

 MAK
 9000 mg/m3

 5000 ppm

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Belgium. Exposure Limit Values.

Components	Туре	Value	Form
Carbon dioxide (CAS 124-38-9)	STEL	54784 mg/m3	
,		30000 ppm	
	TWA	9131 mg/m3	
		5000 ppm	
Distillates Petroleum, Hydrotreated Light (CAS 64742-47-8)	TWA	200 mg/m3	Vapor.
White mineral oil (CAS 8042-47-5)	STEL	10 mg/m3	Mist.
,	TWA	5 mg/m3	Mist.
Bulgaria. OELs. Regulation No 13	3 on protection of workers agai	nst risks of exposure to chem	ical agents at work
Components	Туре	Value	5
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
Distillates Petroleum, Hydrotreated Light (CAS 64742-47-8)	TWA	300 mg/m3	
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m3	
Cyprus. OELs. Control of factory	atmosphere and dangerous su	ubstances in factories regulation	on, PI 311/73, as amended.
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
		5000 ppm	
Czech Republic. OELs. Governm	ent Decree 361		
Components	Туре	Value	Form
Carbon dioxide (CAS 124-38-9)	Ceiling	45000 mg/m3	
,	TWA	9000 mg/m3	
White mineral oil (CAS 8042-47-5)	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Denmark. Exposure Limit Values			
Components	Туре	Value	Form
Carbon dioxide (CAS 124-38-9)	TLV	9000 mg/m3	
,		5000 ppm	
White mineral oil (CAS 8042-47-5)	TLV	1 mg/m3	Mist.

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Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)				
Components	Туре	Value		
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3		
		5000 ppm		
Finland. Workplace Exposure Li	mits			
Components	Туре	Value		
Carbon dioxide (CAS 124-38-9)	TWA	9100 mg/m3		
		9000 mg/m3		
		5000 ppm		
Distillates Petroleum, Hydrotreated Light (CAS 64742-47-8)	TWA	500 mg/m3		
France. Threshold Limit Values	(VLEP) for Occupational Expos	sure to Chemicals in France, INRS ED 984		
Components	Туре	Value		
Carbon dioxide (CAS 124-38-9)	VME	9000 mg/m3		
		5000 ppm		

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Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9100 mg/m3	
		5000 ppm	
Distillates Petroleum, Hydrotreated Light (CAS 64742-47-8)	TWA	140 mg/m3	
,		20 ppm	
Germany. TRGS 900, Limit Values in the	Ambient Air at the Workplace		
Components	Туре	Value	
Carbon dioxide (CAS	AGW	9100 mg/m3	
124-38-9)		5000 ppm	
Crease OFLs (Destes No. 00/4000 ss an	and ad	0000 ppm	
Components		Value	Form
Carbon diovide (CAS		54000 mg/m3	
124-38-9)	SILL	54000 mg/m5	
,		5000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
White mineral oil (CAS	TWA	5 mg/m3	Mist.
8042-47-5)			
Hungary. OELs. Joint Decree on Chemica	al Safety of Workplaces		-
Components	Туре	Value	Form
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
White mineral oil (CAS 8042-47-5)	Ceiling	5 mg/m3	Mist.
Iceland. OELs. Regulation 154/1999 on or	ccupational exposure limits		
Components	Туре	Value	Form
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
		5000 ppm	
White mineral oil (CAS 8042-47-5)	TWA	1 mg/m3	Mist.
Ireland. Occupational Exposure Limits			
Components	Туре	Value	Form
Carbon dioxide (CAS 124-38-9)	STEL	27000 mg/m3	
		15000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
White mineral oil (CAS 8042-47-5)	TWA	0,2 mg/m3	Inhalable fraction.
Italy. Occupational Exposure Limits			
Components	Туре	Value	Form
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
		5000 ppm	
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.

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Latvia. OELs. Occupational exposur Components Carbon dioxide (CAS 124-38-9)	re limit values of chemical substan Type TWA	ices in work environmen Value 9000 mg/m3 5000 ppm	t
Lithuania. OELs. Limit Values for Components Carbon dioxide (CAS 124-38-9)	hemical Substances, General Requ Type TWA	uirements Value 9000 mg/m3 5000 ppm	Form
Lithuania. OELs. Limit Values for C Components	hemical Substances, General Req Type	uirements Value	Form
Distillates Petroleum, Hydrotreated Light (CAS 64742-47-8)	STEL	500 mg/m3	
,	TWA	350 mg/m3	
White mineral oil (CAS 8042-47-5)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Luxembourg. Binding Occupational Components Carbon dioxide (CAS 124-38-9)	exposure limit values (Annex I), M Type TWA	lemorial A Value 9000 ma/m3	
		5000 ppm	
Malta. OELs. Occupational Exposure (CAP. 424), Schedules I and V)	e Limit Values (L.N. 227. of Occupa	ational Health and Safety	Authority Act
Carbon dioxide (CAS 124-38-9)	IWA	9000 mg/m3	
		5000 ppm	
Netherlands. OELs (binding)	_		_
Components	Туре	Value	Form
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
White mineral oil (CAS 8042-47-5)	TWA	5 mg/m3	Mist.
Norway. Administrative Norms for C	contaminants in the Workplace		_
Components Carbon dioxide (CAS 124-38-9)	i ype TWA	Value 9000 mg/m3 5000 ppm	Form
		2000 hhiii	
Distillates Petroleum, Hydrotreated Light (CAS	TLV	5000 ppm 275 mg/m3	

 White mineral oil (CAS
 TLV
 40 ppm

 8042-47-5)
 1 mg/m3
 Mist.

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Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Туре	Value	Form
Carbon dioxide (CAS 124-38-9)	STEL	27000 mg/m3	
	TWA	9000 mg/m3	
Distillates Petroleum, Hydrotreated Light (CAS 64742-47-8)	STEL	300 mg/m3	
	TWA	100 mg/m3	
White mineral oil (CAS 8042-47-5)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Portugal. OELs. Decree-Law n.	290/2001 (Journal of the Repu	ıblic - 1 Series A, n.266)	
Components	Туре	Value	Form
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3 5000 ppm	
Portugal. VLEs. Norm on occup Components	pational exposure to chemical Type	agents (NP 1796) Value	Form
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
White mineral oil (CAS 8042-47-5)	STEL	10 mg/m3	Aerosol
,	TWA	5 mg/m3	Aerosol
Romania. OELs. Protection of	workers from exposure to che	mical agents at the workplace	
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
Romania. OELs. Protection of	workers from exposure to che	mical agents at the workplace	
Components	Туре	Value	
		5000 ppm	
White mineral oil (CAS 8042-47-5)	STEL	10 mg/m3	
	TWA	5 mg/m3	
Slovakia. OELs. Regulation No Components	o. 300/2007 concerning protect Type	ion of health in work with chemic Value	al agents Form
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
		5000 ppm	
White mineral oil (CAS 8042-47-5)	TWA	1 mg/m3	Fume and mist.
		5 ppm	Fume and mist.

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Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
		5000 ppm	
Spain. Occupational Exposure Limits	Tumo	Value	Form
Components		value	FORM
Carbon dioxide (CAS 124-38-9)	TWA	9150 mg/m3	
White mineral oil (CAS	STEL	10 mg/m3	Mist
8042-47-5)	SILL	10 mg/mo	Wildt.
	TWA	5 mg/m3	Mist.
Sweden. Occupational Exposure Limit	t Values		
Components	Туре	Value	Form
Carbon dioxide (CAS 124-38-9)	STEL	18000 mg/m3	
		10000 ppm	
	TWA	9000 mg/m3	
	0751	5000 ppm	
Distillates Petroleum, Hydrotreated Light (CAS 64742-47-8)	STEL	500 mg/m3	
···· · · · · · · · · · · · · · · · · ·	TWA	350 mg/m3	
White mineral oil (CAS 8042-47-5)	STEL	3 mg/m3	Mist.
	TWA	1 mg/m3	Mist.
Switzerland. SUVA Grenzwerte am Art	peitsplatz		
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
		5000 ppm	
IIK EH40 Workplace Exposure Limits	(W/EL s)		
Components		Value	
Carbon dioxide (CAS	STEL	27400 mg/m3	
124-38-9)		<u> </u>	
		15000 ppm	
	IWA	9150 mg/m3	
		5000 ppm	
EU. Indicative Exposure Limit Values in Direc	ctives 91/322/EEC, 2000/39/EC, 2006/	15/EC, 2009/161/EU	
Components			
124-38-9)	IWA	5000 mg/m3 5000 ppm	
Biological limit values	No biological exposure limits note	d for the ingredient(s).	
Recommended monitoring Procedures	Follow standard monitoring procee	dures.	
Derived no-effect level (DNEL)	Not available		
Predicted no effect Concentrations (PNECs)	Not available		

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8.2. Exposure controls

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	Do not get in eyes. Wear safety glasses with side shields (or googles). Eye wash fountain is recommended.
Skin protection	
 Hand protection 	For prolonged or repeated skin contact use suitable protective gloves. Chemical resistant gloves are recommended.
- Other	Personal protection equipment should be chosen according to the CEN standards and In discussion with the supplier of the personal protective equipment. Wear suitable Protective clothing and gloves. Chemical resistant gloves.
Respiratory protection	If permissible levels are exceeded use NIOSH mechanical filter / organic vapor Cartridge or an air-supplied respirator.
Thermal hazards	Not applicable
Hygiene measures	Do not eat, drink or smoke when using the product. Do not get in eyes, on skin, on Clothing. Wash hands after handling. Handle in accordance with good industrial Hygiene and safety practices.
Environmental exposure Controls	Environmental manager must be informed of all major releases. Contain spills and prevent releases and observe national regulations on emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Physical state Form Colour	Liquid Gas Aerosol Clear Colorless
Odour	Slight petroleum odor
Odour threshold	Not available
рН	Not applicable
Melting point / freezing point	Not available
Initial boiling point and Boiling range	> 224°C (>435 2 °F)
Flash point	> 70,00 °C (> 158,00 °F) Tag closed cup
Evaporation rate	< 0,1 BuAc
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	
Lower (%) Flammability limit –	0,6%
Upper (%)	7%

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Vapour pressure	< 0,05mm Hg @ 20°C
Vapour density	4,7
Relative density	Not available
Solubility(ies)	Not soluble in water
Partition coefficient (n-octanol/water)	< 1
Auto-ignition temperature	> 228 °C (> 442,4 °F)
Decomposition temperature	Not available
Viscosity	130 – 160 cP
Viscosity temperature	25 °C (77°F)
Explosive properties	Not available
Oxidizing properties	Not available
9.2 Other information Heat of combustion	> 30 kJ/g
Percent volatile	60%
Specific gravity	0,81 – 0,83 @ 20°C
VOC (Weight %)	0 % per U. S. State and Federal Consumer Product Regulations

SECTION 10: Stability and reactivity

10.1 Reactivity	Strong oxidizing agents
10.2 Chemical stability	Material is stable under normal conditions. Instability caused by elevated temperatures.
10.3 Possibility of hazardous Reactions	No dangerous reaction known under conditions of normal use
10.4 Conditions to avoid	Avoid temperatures exceeding the flash point
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous Decomposition products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects
Information on likely routes Ingestion	Based on available data, the classification criteria are not met
Inhalation	May cause irritating to the respiratory system.
Skin contact	May be irritating to the skin. Frequent or prolonged contact may defat and dry the skin, Leading to discomfort and dermatitis.
Eye contact	May be irritating to eyes.

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Symptoms

Discomfort in the chest. Shortness of breath, Coughing, Irritant effects. Defatting of the Skin. Skin irritation. Symptoms of overexposure may be headache dizziness, tiredness, nausea and vomiting.

11.1 Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye Irritation	Based on available data, the classification criteria are not met.
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity- Single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity- Repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Mixture versus substance Information	Not available.
Other information	None known.

SECTION 12: Ecological information

12.1 Toxicity	Ecological injuries are not known or expected	ed under normal use.
12.2 Persistence and Degradability	Not inherently biodegradable.	
12.3 Bioaccumulative Potential	Not available.	
Partition coefficient n-octanol/water (log Kow) LPS® Food Grade Machir	ne Oil	< 1
Bioconcentration factor (BCF)	Not available.	
12.4. Mobility in soil	Not available.	
12.5. Results of PBT And vPvB assessment	Not a PBT or vPvB substance or mixture	
12.6 Other adverse effects	None known.	

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SECTION 13: Disposal considerations

13.1. Waste treatment methods Residual waste	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). Avoid discharge into water courses or onto the Ground.
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.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. This material and its Container must be disposed or as hazardous waste. 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.

SECTION 14: Transport information

ADR		
	14.1. UN number	UN1950
	14.2. UN proper shipping	Aerosols, flammable
	Name	
	14.3. Transport hazard	2.1
	Class(es)	
	Subsidiary class(es)	-
	14.4. Packing group	Not available.
	14.5. Environmental hazards	No
	Tunnel restriction code	Not available.
	Labels required	2.1
	14.6. Special precautions	Not available.
	For user	
RID		
	14.1. UN number	UN1950
	14.2. UN proper snipping	Aerosols, flammable
		0.4
	14.3. Transport nazard	2.1
	Subsidiary class(es)	- Natavailable
	14.4. Packing group	Not available.
	14.5. Environmental nazaros	No Not available
	Labela required	
	Labels required	Z. I Not available
	T4.6. Special precautions	Not available.
	Folusei	
ADI	14.1. UN number	UN1950
	14.2. UN proper shipping	Aerosols flammable
	Name	
	14.3. Transport hazard	2.1
	Class(es)	
	Subsidiary class(es)	-
	14.4. Packing group	Not available.
	14.5. Environmental hazards	No

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Tunnel restriction code Labels required 14.6. Special precautions For user

Not available. 2.1 Not available.

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14.1. UN number 14.2. UN proper shipping	UN1950 Aerosols, flammable
Name	0.4
Class(es)	2.1
Subsidiary class(es)	-
14.4. Packing group	Not available.
14.5. Environmental hazards	No
Tunnel restriction code	Not available.
Labels required	2.1
ERG Code	Not available.
14.6. Special precautions	Not available.
For user	

IMDG

14.1. UN number
14.2. UN proper shipping
Name
14.3. Transport hazard
Class(es)
Subsidiary class(es)
14.4. Packing group
14.5. Environmental hazards
Marine pollutant
Labels required
14.6. Special precautions
For user
14.7. Transport in bulk
According to Annex II of
MARPOL 73/78 and the IBC
Code

UN1950 Aerosols, flammable

Not available.

2.1

No 2.1 Not available.

This substance/mixture is not intended to be transported in bulk

ADN; ADR; IATA; IMDG; RID



SECTION 15: Regulatory information

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

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed.

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Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended Not listed. Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended Not listed. Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended Not listed. Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended Not listed Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry Not listed. Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA Not listed. Authorisations Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation Not listed. **Restrictions on use** Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Not listed. Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work Not regulated. Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding Not regulated. **Other EU regulations** Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances Not regulated. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work Distillates Petroleum, Hydrotreated Light (CAS 64742-47-8) Directive 94/33/EC on the protection of young people at work Not regulated. Other regulations The product is classified and labelled in accordance with EC directives or Respective national laws. This Safety Data Sheet complies with the Requirements of Regulation (EC) No 1907/2006. National regulations Not available.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

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SECTION 16: Other information

List of abbreviations	Not available.
References	Not available.
Information on evaluation Method leading to the Classification of mixture	Not available.
Full text of any statements or R-phrases and H-Statements Under Sections 2 to 15	R12 Extremely flammable. R65 Harmful: may cause lung damage if swallowed. H304 May be fatal if swallowed and enters airways. H411 Toxic to aquatic life with long lasting effects.
Revision information	None.
Training information	Not available.
Disclaimer	The information in the sheet was written based on the best knowledge and experience Currently available.