



SAFETY DATA SHEET

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture Buff Lite II
Registration number -
Synonyms None.
Product Code 1141

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Compound, Polishing Creme
Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name Malco Products, Inc.
Address 361 Fairview Ave
Barberton, OH 44203
US
Division
Telephone Phone 800-253-2526
Fax 330-777-8317
e-mail msdsinfo@malcopro.com
Contact person Not available.

Distributors in New Zealand:
Pacer - Car Clean Products NZ Ltd
33 Ha Crescent, Wiri,
Auckland 2104
Phone: 09 25000 91
Email: sales@pacer.co.nz
Website: www.pacer.co.nz

1.4. Emergency telephone number Phone 1-800-424-9300

24hr Emergency Assistance in New Zealand

National Poison Control Centre:
0800 POISON [764 766]

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Xi ; R36/37/38, R22 This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Health hazards

Acute toxicity, inhalation	Category 3	H331 - Toxic if inhaled.
Specific target organ toxicity - repeated exposure	Category 1	H372 - Causes damage to organs through prolonged or repeated exposure.

Hazard Summary (according to Dangerous Substances Directive)

Physical hazards	Not classified for physical hazards.
Health hazards	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	None known.
Main symptoms	Direct contact with eyes may cause temporary irritation. Prolonged exposure may cause chronic effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx, propane-1,2,3-triol, solvent naphtha (petroleum), medium aliph.; Straight run kerosine [A complex combination of hydrocarbons obtained from the distillation of crude oil or natural gasoline. It consists predominantly of saturated hydrocarbons having carbon numbers predominant

Hazard pictograms



Signal word

Danger

Hazard statements

H331 Toxic if inhaled.
H333 May be harmful if inhaled.
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention

P260 Do not breathe mist/vapors.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

Response

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P311 Call a POISON CENTER/doctor.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information 50,09, 99,96% of the mixture consists of component(s) of unknown acute oral toxicity. 50,09, 99,99% of the mixture consists of component(s) of unknown acute dermal toxicity.

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
solvent naphtha (petroleum), medium aliph.; Straight run kerosine [A complex combination of hydrocarbons obtained from the distillation of crude oil or natural gasoline. It consists predominantly of saturated hydrocarbons having carbon numbers predominant	10 - < 20	64742-88-7 265-191-7	-	649-405-00-X	
Classification: STOT RE 1;H372, Asp. Tox. 1;H304					
Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx	5 - < 10	8008-20-6 232-366-4	-	649-404-00-4	
Classification: Acute Tox. 3;H331;(ATE: 5,2 mg/l), Asp. Tox. 1;H304					
propane-1,2,3-triol	5 - < 10	56-81-5 200-289-5	-	-	
Classification: Acute Tox. 1;H330;(ATE: 0,285 mg/l)					
Distillates (petroleum), hydro- treated light; Kerosine — unspecified [complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominant	3 - < 5	64742-47-8 265-149-8	-	649-422-00-2	
Classification: Asp. Tox. 1;H304					

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
4-nonylphenol, Branched, Ethoxylated	1 - < 3	127087-87-0 500-315-8	-	-	ED

Classification: -

Other components below reportable levels 60 - < 70

List of abbreviations and symbols that may be used above

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

ATE: Acute toxicity estimate.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Community workplace exposure limit(s).

#: This substance has been assigned Union workplace exposure limit(s).

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

Composition comments

The full text for all H-statements is displayed in section 16. The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. 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. 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.

Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact

Rinse with water. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

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

Direct contact with eyes may cause temporary irritation. Prolonged exposure may cause chronic effects.

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

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards

Combustible liquid.

5.1. Extinguishing media

Suitable extinguishing media

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO₂).

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

The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures

In case of fire and/or explosion do not breathe fumes. 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Do not breathe mist/vapors. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Do not breathe mist of vapor. Do not touch damaged container 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.

For emergency responders

Keep unnecessary personnel away. Ensure adequate ventilation. Avoid inhalation of vapors and spray mists. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid discharge into drains, 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.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from open flames, hot surfaces and sources of ignition. Do not breathe mist/vapors. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Observe industrial sector guidance on best practices.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

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

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	MAK	5 mg/m3	Respirable fraction.
		5 mg/m3	Respirable fume.
		10 mg/m3	Inhalable fraction.
	STEL	20 mg/m3	Inhalable fraction.
		10 mg/m3	Respirable fume.
		10 mg/m3	Respirable fraction.

Belgium. Exposure Limit Values

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction.
Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6)	TWA	200 mg/m3	Vapor.
propane-1,2,3-triol (CAS 56-81-5)	TWA	10 mg/m3	Mist.

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6)	TWA	300 mg/m3

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Components

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	MAC	4 mg/m3	Respirable dust.
		10 mg/m3	Total dust.
propane-1,2,3-triol (CAS 56-81-5)	MAC	10 mg/m3	

Czech Republic. OELs. Government Decree 361 Components

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	0,1 mg/m3	Respirable dust.
propane-1,2,3-triol (CAS 56-81-5)	Ceiling	15 mg/m3	Mist.
	TWA	10 mg/m3	Mist.

Denmark. Exposure Limit Values Components

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TLV	5 mg/m3	Total
		2 mg/m3	Respirable.

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended Components

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	4 mg/m3	Fine dust, respiratory fraction
		10 mg/m3	Total dust.
propane-1,2,3-triol (CAS 56-81-5)	TWA	10 mg/m3	

Finland. Workplace Exposure Limits Components

Components	Type	Value
propane-1,2,3-triol (CAS 56-81-5)	TWA	20 mg/m3

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984 Components

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	VME	10 mg/m3	
Regulatory status: Indicative limit (VL)			
propane-1,2,3-triol (CAS 56-81-5)	VME	10 mg/m3	Aerosol.
Regulatory status: Indicative limit (VL)			

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

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	4 mg/m3	Inhalable dust.
		1,5 mg/m3	Respirable dust.
Distillates (petroleum), hydro- treated light; Kerosine — unspecified [complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominant (CAS 64742-47-8)	TWA	5 mg/m3	Respirable aerosol fraction
		350 mg/m3	Vapor.
		50 ppm	Vapor.

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

Components	Type	Value	Form
Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6)	TWA	5 mg/m3	Respirable aerosol fraction
propane-1,2,3-triol (CAS 56-81-5)	TWA	350 mg/m3 200 mg/m3	Vapor. Inhalable fraction.
White Mineral Oil (Petroleum) (CAS 8042-47-5)	TWA	5 mg/m3	Respirable fraction.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
Distillates (petroleum), hydro- treated light; Kerosine — unspecified [complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominant (CAS 64742-47-8)	AGW	300 mg/m3	
Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6)	AGW	300 mg/m3	
propane-1,2,3-triol (CAS 56-81-5)	AGW	200 mg/m3	Inhalable fraction.
White Mineral Oil (Petroleum) (CAS 8042-47-5)	AGW	5 mg/m3	Respirable fraction.

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	5 mg/m3	Respirable.
propane-1,2,3-triol (CAS 56-81-5)	TWA	10 mg/m3 10 mg/m3	Inhalable

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	5 mg/m3	
White Mineral Oil (Petroleum) (CAS 8042-47-5)	TWA	2 mg/m3 5 mg/m3	Respirable.

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	10 mg/m3

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.

Italy. Occupational Exposure Limits

Components	Type	Value	Form
Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6)	TWA	200 mg/m3	Non-aerosol.

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	6 mg/m3	Decomposition aerosol.
		4 mg/m3	

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
dialuminum;oxygen(2-) (CAS 1344-28-1)	TLV	10 mg/m3

Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	2,5 mg/m3	Inhalable fraction.
		1,2 mg/m3	Respirable fraction.
		0 ppm	Respirable fraction.
		0 ppm	Inhalable fraction.
		300 mg/m3	
Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6)	STEL	0 ppm	
		TWA	100 mg/m3
		0 ppm	
propane-1,2,3-triol (CAS 56-81-5)	TWA	10 mg/m3	Inhalable fraction.
		0 ppm	Inhalable fraction.

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6)	TWA	200 mg/m ³	Non-aerosol.
propane-1,2,3-triol (CAS 56-81-5)	TWA	10 mg/m ³	

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	STEL	5 mg/m ³	Aerosol.
	TWA	2 mg/m ³	Aerosol.

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	4 mg/m ³	Inhalable fraction.
		0,1 mg/m ³	Respirable fraction.
propane-1,2,3-triol (CAS 56-81-5)	TWA	10 mg/m ³	

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

Components	Type	Value	Form
propane-1,2,3-triol (CAS 56-81-5)	TWA	200 mg/m ³	Inhalable fraction.
White Mineral Oil (Petroleum) (CAS 8042-47-5)	TWA	5 mg/m ³	Respirable fraction.

Spain. Occupational Exposure Limits

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	10 mg/m ³	
Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6)	TWA	200 mg/m ³	
propane-1,2,3-triol (CAS 56-81-5)	TWA	10 mg/m ³	Mist.

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	5 mg/m ³	Total dust.
		2 mg/m ³	Respirable dust.

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	STEL	24 mg/m ³	Respirable dust and/or fume.
	TWA	3 mg/m ³	Respirable dust.

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
		3 mg/m3	Respirable dust and/or fume.
Distillates (petroleum), hydro- treated light; Kerosine — unspecified [complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominant (CAS 64742-47-8)	STEL	700 mg/m3	Vapor.
	TWA	100 ppm	Vapor.
		5 mg/m3	Aerosol.
		350 mg/m3	Vapor.
		50 ppm	Vapor.
propane-1,2,3-triol (CAS 56-81-5)	STEL	100 mg/m3	Inhalable fraction.
	TWA	50 mg/m3	Inhalable fraction.
White Mineral Oil (Petroleum) (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
dialuminum;oxygen(2-) (CAS 1344-28-1)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.
propane-1,2,3-triol (CAS 56-81-5)	TWA	10 mg/m3	Mist.

Biological limit values

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling Time
dialuminum;oxygen(2-) (CAS 1344-28-1)	50 µg/g	Aluminium	Creatinine in urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

Belgium OELs: Skin designation

Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6) Can be absorbed through the skin.

Italy OELs: Skin designation

Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6) Danger of cutaneous absorption

Portugal VLEs Norm on Occupational Exposure: Skin designation

Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6) Can be absorbed through the skin.

Spain OELs: Skin designation

Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6) Can be absorbed through the skin.

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

General information

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

- Hand protection

Wear appropriate chemical resistant gloves.

- Other

Wear suitable protective clothing. Use of an impervious apron is recommended.

Respiratory protection

Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

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.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid.

Form

Liquid. Viscous. Cream.

Color

White.

Odor

Kerosene.

Melting point/freezing point

32 °F (0 °C) estimated

Boiling point or initial boiling point and boiling range

1098,25 °F (592,36 °C) estimated

Flammability

Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) 0,7 % estimated

Explosive limit - upper (%) 5 % estimated

Flash point

145,0 °F (62,8 °C)

256,2 °F (124,5 °C) estimated

Auto-ignition temperature

614,82 °F (323,79 °C) estimated

Decomposition temperature

Not available.

pH

8,8

Kinematic viscosity

16860 cSt

Kinematic viscosity temperature

68 °F (20 °C)

Solubility

Solubility (water)

Not available.

Partition coefficient (n-octanol/water) (log value)

Not available.

Vapor pressure

0,04 hPa estimated

Density and/or relative density

Density

8,90 lb/gal

Vapor density

Not available.

Particle characteristics

Not available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes No relevant additional information available.

9.2.2. Other safety characteristics

Viscosity	14000 cP
Viscosity temperature	68 °F (20 °C)
VOC	17 % by weight 10,5 % estimated

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidizing agents. Chlorine.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation	Toxic if inhaled.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms Exposure may cause temporary irritation, redness, or discomfort.

11.1. Information on toxicological effects

Acute toxicity Toxic if inhaled. May cause respiratory irritation.

Components	Species	Test Results
Kerosine (petroleum); Straight run kerosine [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approx (CAS 8008-20-6)		

Acute

Inhalation

LC50	-	> 5200 mg/m3, 4 Hours
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propane-1,2,3-triol (CAS 56-81-5)

Acute

Inhalation

LC50	-	> 570 mg/m3, 1 Hours
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Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Due to partial or complete lack of data the classification is not possible.
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.

Mixture versus substance information No information available.

11.2. Information on other hazards

Endocrine disrupting properties This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.

Components	Species	Test Results
Distillates (petroleum), hydro- treated light; Kerosine — unspecified [complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominant (CAS 64742-47-8)		

Aquatic

Acute

Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2,9 mg/l, 96 hours
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propane-1,2,3-triol (CAS 56-81-5)

Aquatic

Acute

Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	>= 51000 - <= 57000 mg/l, 96 hours
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12.2. Persistence and degradability No data is available on the degradability of this product.

12.3. Bioaccumulative potential No data available.

Partition coefficient n-octanol/water (log Kow)
propane-1,2,3-triol

-1,76

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

12.6. Endocrine disrupting properties This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

12.7. Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

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).

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.

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. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number Not regulated as dangerous goods.

14.2. UN proper shipping name Not regulated as dangerous goods.

14.3. Transport hazard class(es)

Class Not assigned.

Subsidiary risk Not assigned.

Hazard No. (ADR) Not assigned.
Tunnel restriction code Not assigned.
14.4. Packing group Not assigned.
14.5. Environmental hazards No.
14.6. Special precautions for user Not assigned.

RID

14.1. UN number Not regulated as dangerous goods.
14.2. UN proper shipping name Not regulated as dangerous goods.
14.3. Transport hazard class(es)
Class Not assigned.
Subsidiary risk Not assigned.
14.4. Packing group Not assigned.
14.5. Environmental hazards No.
14.6. Special precautions for user Not assigned.

ADN

14.1. UN number Not regulated as dangerous goods.
14.2. UN proper shipping name Not regulated as dangerous goods.
14.3. Transport hazard class(es)
Class Not assigned.
Subsidiary risk Not assigned.
14.4. Packing group Not assigned.
14.5. Environmental hazards No.
14.6. Special precautions for user Not assigned.

IATA

14.1. UN number Not regulated as dangerous goods.
14.2. UN proper shipping name Not regulated as dangerous goods.
14.3. Transport hazard class(es)
Class Not assigned.
Subsidiary risk Not assigned.
14.4. Packing group Not assigned.
14.5. Environmental hazards No.
14.6. Special precautions for user Not assigned.

IMDG

14.1. UN number Not regulated as dangerous goods.
14.2. UN proper shipping name Not regulated as dangerous goods.
14.3. Transport hazard class(es)
Class Not assigned.
Subsidiary risk Not assigned.
14.4. Packing group Not assigned.
14.5. Environmental hazards
Marine pollutant No.
EmS Not assigned.
14.6. Special precautions for user Not assigned.

14.7. Maritime transport in bulk according to IMO instruments Not established.

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 and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

4-nonylphenol, Branched, Ethoxylated (CAS 127087-87-0)

NEW ZEALAND:

6.1C Acute toxicity, inhalation

6.9A Specific target organ toxicity, repeated exposure

HSR002530 Cleaning Products (Subsidiary Hazard) Group Standard 2020

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

4-nonylphenol, Branched, Ethoxylated (CAS 127087-87-0)

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 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, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

4-nonylphenol, Branched, Ethoxylated (CAS 127087-87-0)

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

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, as amended

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended. Follow national regulation on the protection of workers from the risks of exposure to carcinogens and mutagens at work, in accordance with Directive 2004/37/EC.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).
CAS: Chemical Abstract Service.
CEN: European Committee for Standardization.
IATA: International Air Transport Association.
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
IMDG: International Maritime Dangerous Goods.
MAC: Maximum Allowed Concentration.
MARPOL: International Convention for the Prevention of Pollution from Ships.
PBT: Persistent, bioaccumulative and toxic.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
STEL: Short term exposure limit.
TLV: Threshold Limit Value.
TWA: Time Weighted Average.
VLE: Exposure Limit Value.
VME: Exposure Average Value.
vPvB: Very persistent and very bioaccumulative.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements, which are not written out in full under sections 2 to 15

H304 May be fatal if swallowed and enters airways.
H330 Fatal if inhaled.
H331 Toxic if inhaled.
H372 Causes damage to organs through prolonged or repeated exposure.

Revision information

SECTION 2: Hazards identification: GHS Signal Words
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
HazReg Data: International Inventories

Training information

Follow training instructions when handling this material.

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. Malco Products, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.