SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 05 July 2023 **Revision Date** 17 August 2023 **Revision Number** 1

EGHS / English

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Rislone Gas Fuel Treatment- Left Side
Product Code 44700
UFI RQSY-N31C-Q00N-4G1E

Chemical name
Contains Petroleum distillates, hydrotreated heavy paraffinic, Petroleum distillates, hydrotreated light paraffinic, 2-Butoxyethanol

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

Recommended Use Fuel additive.

Uses advised against No information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier Name Rislone Nordic AB
Address BOX 83
443 22 Partille, Sweden
Telefon +46-(0)31 555088
E-mail support@rislonenordic.com
Website www.rislone.se

For further information, please contact

1.4. Emergency telephone number

ChemTel Inc. (800) 255-3924 (North America)
+1 (813) 248-0585 (International)

Emergency telephone §45 - (EC)1272/2008	
Europe	112

Country	**Emergency Telephone Number**
Europe	
Austria	
Belgium	
Denmark	

Finland	
France	
Germany	
Ireland	
Italy	
Netherlands	
Norway	
Poland	
Portugal	
Spain	
Sweden	
Switzerland	
United Kingdom	
Manufacturer	

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Inhalation (Gases)	Category 3 - (H331)
Acute toxicity - Inhalation (Vapors)	Category 3 - (H331)
Acute toxicity - Inhalation (Dusts/Mists)	Category 3 - (H331)
Carcinogenicity	Category 1B - (H350)
Specific target organ toxicity (single exposure)	Category 2 - (H371)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Contains Petroleum distillates, hydrotreated heavy paraffinic, Petroleum distillates, hydrotreated light paraffinic, 2-Butoxyethanol

Signal word **Danger**

Hazard Statements

H331 - Toxic if inhaled
H350 - May cause cancer
H371 - May cause damage to organs
H412 - Harmful to aquatic life with long lasting effects
EUH208 - Contains 2,4,6-Triisopropylphenol EUH208 - May produce an allergic reaction
EUH208 - Contains (.?). May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use
P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P321 - Specific treatment (see supplemental first aid instructions on this label)
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Additional information
This product requires tactile warnings if supplied to the general public
This product requires child resistant fastenings if supplied to the general public

2.3. Other hazards
Causes mild skin irritation
Harmful to aquatic life
Combustible liquid
No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Petroleum distillates, hydrotreated heavy paraffinic	265-157-1	64742-54-7	58.8	Carc. 1B (H350)	No data available
Petroleum distillates, hydrotreated light paraffinic	265-158-7	64742-55-8	39.2	Carc. 1B (H350)	No data available
2-Butoxyethanol	203-905-0	111-76-2	1	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Acute Tox. 3 (H331) Eye Irrit. 2 (H319)	No data available
Third Party Formulation (TP # 1710987)	Listed	-	0 - 10%	Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Third Party Formulation (TP # 1710987)	Listed	-	0 - 10%	Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Acute Tox. 4 (H332)	No data available
Third Party Formulation (TP # 1710987)	Listed	-	0 - 10%	Acute Tox. 4 (H302) Repr. 1B (H360D) STOT RE 2 (H373) Skin Sens. 1B (H317)	No data available
3rd Party %: 1e-005 (Third Party Formulation (TP # 1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))	Listed	-	0 - 10%	Flam. Liq. 2 (H225) STOT RE 2 (H373) Asp. Tox. 1 (H304) Acute Tox. 4 (H332)	No data available
Third Party Formulation (TP # 1533278)	Listed	-	0 - 10%	Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226)	No data available

				Acute Tox. 4 (H332)	
Third Party Formulation (TP # 1533257)	Listed	-	0 - 10%	Acute Tox. 4 (H302) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

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

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Immediate medical attention is required.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not breathe vapor or mist. Use personal protective equipment as required. See section 8 for more information.

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

Symptoms Coughing and/ or wheezing. Difficulty in breathing.

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

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical, Carbon dioxide (CO2), Water spray, Alcohol resistant foam.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical
Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

Hazardous Combustion Products
Carbon oxides.

5.3. Advice for firefighters

Special protective equipment for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Keep people away from and upwind of spill/leak.

Other Information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take precautionary measures against static discharges. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General Hygiene Considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children.

7.3. Specific end use(s)

Identified uses
Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
2-Butoxyethanol 111-76-2	S* TWA 20 ppm TWA 98 mg/m^3 STEL 50 ppm STEL 246 mg/m^3	STEL: 50 ppm STEL: 246 mg/m^3 TWA: 25 ppm TWA: 123 mg/m^3 Sk*	TWA: 10 ppm TWA: 49 mg/m^3 * STEL: 50 ppm STEL: 246 mg/m^3	vía dérmica* STEL: 50 ppm STEL: 245 mg/m^3 TWA: 20 ppm TWA: 98 mg/m^3	TWA: 10 ppm TWA: 49 mg/m^3 S*
Third Party Formulation (TP # 1710987)	: TWA: 221 mg/m^3 TWA: 50 ppm STEL: 100 ppm STEL: 442 mg/m^3	STEL: 100 ppm STEL: 441 mg/m^3 TWA: 220 mg/m^3 TWA: 50 ppm Skin	VME: 221 mg/m^3 VME: 50 ppm VLCT: 100 ppm VLCT: 442 mg/m^3	S* VLA-EC: 100 ppm VLA-EC; 442 mg/m^3 VLA-EC VLA-ED: 50 ppm	TWA: 50 ppm TWA: 220 mg/m^3 S*

				VLA-ED; 221 mg/m³ VLA-ED	
3rd Party %: 1e-005 (Third Party Formulation (TP # 1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))	: TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³	STEL: 125 ppm STEL: 552 mg/m³ TWA: 100 ppm TWA: 441 mg/m³ Skin	VME: 88.4 mg/m³ VME: 20 ppm VLCT: 100 ppm VLCT: 442 mg/m³	S* VLA-EC: 200 ppm VLA-EC; 884 mg/m³ VLA-EC VLA-ED: 100 ppm VLA-ED; 441 mg/m³ VLA-ED	TWA: 20 ppm TWA: 88 mg/m³ S*
Third Party Formulation (TP # 1533278)	S* TWA 50 ppm TWA 221 mg/m³ STEL 100 ppm STEL 442 mg/m³	STEL: 100 ppm STEL: 441 mg/m³ TWA: 50 ppm TWA: 220 mg/m³ Sk*	TWA: 50 ppm TWA: 221 mg/m³ * STEL: 100 ppm STEL: 442 mg/m³	vía dérmica* STEL: 100 ppm STEL: 442 mg/m³ TWA: 50 ppm TWA: 221 mg/m³	TWA: 50 ppm TWA: 220 mg/m³ S*
Third Party Formulation (TP # 1533257)	TWA 10 ppm TWA 50 mg/m³	-	TWA: 10 ppm TWA: 50 mg/m³	vía dérmica* STEL: 15 ppm STEL: 80 mg/m³ TWA: 10 ppm TWA: 53 mg/m³	TWA: 0.4 ppm TWA: 2 mg/m³ S*
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m³ STEL: 50 ppm STEL: 246 mg/m³ pelle*	STEL: 50 ppm STEL: 246 mg/m³ TWA: 20 ppm TWA: 98 mg/m³ P*	H* STEL: 50 ppm STEL: 246 mg/m³ TWA: 20.4 ppm TWA: 100 mg/m³	TWA: 20 ppm TWA: 98 mg/m³ STEL: 50 ppm STEL: 250 mg/m³ iho*	TWA: 20 ppm TWA: 98 mg/m³ H*
Third Party Formulation (TP # 1710987)	TWA: 221 mg/m³ TWA: 50 ppm STEL: 100 ppm STEL: 442 mg/m³ Skin	STEL: 150 ppm TWA: 100 ppm	Skin STEL: 100 ppm STEL; 442 mg/m³ STEL MAC: 50 ppm MAC; 210 mg/m³ MAC	TWA: 50 ppm TWA: 220 mg/m³ STEL: 100 ppm STEL: 440 mg/m³ Skin	TWA: 109 mg/m³ TWA: 25 ppm Skin
3rd Party %: 1e-005 (Third Party Formulation (TP # 1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ Skin	STEL: 125 ppm TWA: 100 ppm	Skin STEL: 100 ppm STEL; 430 mg/m³ STEL MAC: 50 ppm MAC; 215 mg/m³ MAC	TWA: 50 ppm TWA: 220 mg/m³ STEL: 880 mg/m³ STEL: 200 ppm Skin	TWA: 217 mg/m³ TWA: 50 ppm
Third Party Formulation (TP # 1533278)	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ pelle*	STEL: 100 ppm STEL: 442 mg/m³ TWA: 50 ppm TWA: 221 mg/m³ P*	H* STEL: 100 ppm STEL: 442 mg/m³ TWA: 47.5 ppm TWA: 210 mg/m³	TWA: 50 ppm TWA: 220 mg/m³ STEL: 100 ppm STEL: 440 mg/m³ iho*	TWA: 25 ppm TWA: 109 mg/m³ H*
Third Party Formulation (TP # 1533257)	-	STEL: 15 ppm TWA: 10 ppm TWA: 50 mg/m³ P*	STEL: 16 ppm STEL: 80 mg/m³ TWA: 10 ppm TWA: 50 mg/m³	TWA: 1 ppm TWA: 5 mg/m³ STEL: 2 ppm STEL: 10 mg/m³	TWA: 10 ppm TWA: 50 mg/m³
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
2-Butoxyethanol 111-76-2	H* STEL 40 ppm	H* STEL: 20 ppm	STEL: 200 mg/m³ TWA: 98 mg/m³	TWA: 10 ppm TWA: 50 mg/m³	TWA: 20 ppm TWA: 98 mg/m³

	STEL 200 mg/m³ TWA: 20 ppm TWA: 98 mg/m³	STEL: 98 mg/m³ TWA: 10 ppm TWA: 49 mg/m³		H* STEL: 20 ppm STEL: 75 mg/m³	STEL: 50 ppm STEL: 246 mg/m³ Sk*
Third Party Formulation (TP # 1710987)	Skin STEL 100 ppm STEL; 442 mg/m³ STEL (all isomers) MAK: 50 ppm MAK; 221 mg/m³ MAK (all isomers)	Skin STEL: 200 ppm STEL; 870 mg/m³ STEL MAK: 100 ppm MAK; 435 mg/m³ MAK	NDSCh: 350 mg/m³ NDS: 100 mg/m³	TWA: 108 mg/m³ TWA: 25 ppm Skin STEL: 135 mg/m³ STEL: 37.5 ppm	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ Sk*
3rd Party %: 1e-005 (Third Party Formulation (TP # 1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))	Skin STEL 200 ppm STEL; 880 mg/m³ STEL MAK: 100 ppm MAK; 440 mg/m³ MAK	Skin STEL: 100 ppm STEL (15 min); 435 mg/m³ STEL (15 min) MAK: 100 ppm MAK; 435 mg/m³ MAK	NDSCh: 350 mg/m³ NDS: 100 mg/m³ Skin	TWA: 20 mg/m³ TWA: 5 ppm Skin STEL: 10 ppm STEL: 30 mg/m³	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ Sk*
Third Party Formulation (TP # 1533278)	STEL 100 ppm STEL 442 mg/m³ TWA: 50 ppm TWA: 221 mg/m³	H* STEL: 100 ppm STEL: 440 mg/m³ TWA: 50 ppm TWA: 220 mg/m³	STEL: 200 mg/m³ TWA: 100 mg/m³	TWA: 25 ppm TWA: 108 mg/m³ H* STEL: 37.5 ppm STEL: 135 mg/m³	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ Sk*
Third Party Formulation (TP # 1533257)	H* TWA: 10 ppm TWA: 50 mg/m³	H* TWA: 10 ppm TWA: 50 mg/m³	STEL: 50 mg/m³ TWA: 20 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ STEL: 20 ppm STEL: 75 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ STEL: 30 ppm STEL: 150 mg/m³

Biological occupational exposure limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
2-Butoxyethanol 111-76-2	-	240 mmol/mol creatinine - urine (Butoxyacetic acid) - post shift	-	200 mg/g Creatinine - urine (Butoxyacetic acid (with hydrolysis)) - end of shift	150 mg/g Creatinine - urine (Butoxyacetic acid (after hydrolysis)) - for long-term exposures: at the end of the shift after several shifts 150 mg/g Creatinine - urine (Butoxyacetic acid (after hydrolysis)) - end of shift
Third Party Formulation (TP # 1710987)	-	650 mmol/mol creatinine - urine (Methyl hippuric acid) - post shift	1500 mg/g creatinine - urine (Methylhippuric acid) - end of shift Urine : 1500 mg/g creatinine	1 g/g Creatinine - urine (Methylhippuric acids) - end of shift	2000 mg/L - urine (Methylhippuric(tol ur-)acid (all isomers)) - end of shift
3rd Party %: 1e-005 (Third Party Formulation (TP #	-	-	1500 mg/g creatinine - urine (Mandelic acid) -	700 mg/g Creatinine - urine (Mandelic acid	250 mg/g Creatinine - urine (Mandelic acid

1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))			end of shift at end of workweek Urine : 1500 mg/g creatinine	plus Phenylglyoxylic acid) - end of workweek	plus Phenylglyoxylic acid) - end of shift
Third Party Formulation (TP # 1533278)	-	650 mmol/mol creatinine - urine (Methyl hippuric acid) - post shift	1500 mg/g creatinine - urine (Methylhippuric acid) - end of shift Urine : 1500 mg/g creatinine	1 g/g Creatinine - urine (Methylhippuric acids) - end of shift	2000 mg/L - urine (Methylhippuric(tol ur-)acid (all isomers)) - end of shift
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Third Party Formulation (TP # 1710987)	-	-	-	5.0 mmol/L - urine (Methylhippuric acid) - after the shift	-
3rd Party %: 1e-005 (Third Party Formulation (TP # 1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))	-	-	-	5.2 mmol/L - urine (Mandelic acid) - after the shift after a working week or exposure period	-
Third Party Formulation (TP # 1533278)	-	-	-	5.0 mmol/L - urine (Methylhippuric acid) - after the shift	-
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
2-Butoxyethanol 111-76-2	-	150 mg/g creatinine - urine (2-Butoxyacetic acid (after hydrolysis)) - end of shift, and after several shifts (for long-term exposures)	-	-	200 mg/g Creatinine (urine - end of shift)
Third Party Formulation (TP # 1710987)	1.5 g/L (urine - Methylhippuric acid after end of work day, at the end of a work week/end of the shift)	2 g/L - urine (Methylhippuric acid) - end of shift	-	-	1.5 g/g Creatinine (urine - Methylhippuric acids end of shift)
3rd Party %: 1e-005 (Third Party Formulation (TP # 1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))	-	600 mg/g creatinine - urine (Mandelic acid and Phenylglyoxylacid) - end of shift	-	-	0.7 g/g Creatinine (urine - sum of Mandelic acid and Phenylglyoxylic acid end of shift at end of workweek) 0.7 g (end-exhaled air -

					not critical)
Third Party Formulation (TP # 1533278)	1.5 g/L (urine - Methylhippuric acid after end of work day, at the end of a work week/end of the shift)	2 g/L - urine (Methylhippuric acid) - end of shift	-	-	1.5 g/g Creatinine (urine - Methylhippuric acids end of shift)

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand Protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls No information available.

General Hygiene Considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state Liquid
Appearance Orange
Odor Petroleum
Color No information available
Odor Threshold No data available

Property	Values	Remarks Method
pH	UNKNOWN	
Melting / freezing point	No data available	None known
Boiling point / boiling range	93 °C	
Flash Point	87 C	
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known

Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	.77	
Water Solubility	Immiscible	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	0	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Remarks No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

10.4. Conditions to avoid

Heat, flames and sparks, Excessive heat.

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	Yes.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. Toxic by inhalation. (based on components).
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Causes mild skin irritation.
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Coughing and/ or wheezing. Difficulty in breathing.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	30,400.00 mg/kg
ATEmix (dermal)	66,880.00 mg/kg
ATEmix (inhalation-gas)	1,400.00 ppm
ATEmix (inhalation-dust/mist)	1.00 mg/L
ATEmix (inhalation-vapor)	6.00 mg/L

Unknown acute toxicity

98 % of the mixture consists of ingredient(s) of unknown toxicity
39.2 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
39.2 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
98 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
98 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
98 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)
mg/kg (rat) Estimated

Product Information

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated heavy paraffinic	> 15 g/kg (Rat)	> 5000 mg/kg (Rabbit)	-

Petroleum distillates, hydrotreated light paraffinic	-	-	= 3900 mg/m^3 (Rat) 4 h
2-Butoxyethanol	= 470 mg/kg (Rat)	= 435 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h = 486 ppm (Rat) 4 h
Third Party Formulation (TP # 1710987)	> 5000 mg/kg (Rat)	> 10 g/kg (Rabbit)	-
Third Party Formulation (TP # 1710987)	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
Third Party Formulation (TP # 1710987)	= 1670 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
3rd Party %: 1e-005 (Third Party Formulation (TP # 1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.4 mg/L (Rat) 4 h
Third Party Formulation (TP # 1533278)	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
Third Party Formulation (TP # 1533257)	= 1110 mg/kg (Rat)	= 1120 mg/kg (Rabbit)	> 0.4 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical name	European Union
Petroleum distillates, hydrotreated heavy paraffinic	Carc. 1B
Petroleum distillates, hydrotreated light paraffinic	Carc. 1B
Third Party Formulation (TP # 1533257)	Carc. 2

Reproductive Toxicity No information available.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
Third Party Formulation (TP # 1710987)	Repr. 1B

STOT - single exposure Based on the classification criteria of the Globally Harmonized System as adopted in the country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). May cause damage to organs if inhaled.

H371 - May cause damage to the following organs: blood system, kidneys, liver, Respiratory system.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Unknown aquatic toxicity 0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic	No data available	96h LC50: > 5000 mg/L (Oncorhynchus mykiss)	No data available	48h EC50: > 1000 mg/L (Daphnia magna)
Petroleum distillates, hydrotreated light paraffinic	No data available	96h LC50: > 5000 mg/L (Oncorhynchus mykiss)	No data available	48h EC50: > 1000 mg/L (Daphnia magna)
2-Butoxyethanol	No data available	96h LC50: = 1490 mg/L (Lepomis macrochirus) 96h LC50: = 2950 mg/L (Lepomis macrochirus)	No data available	48h EC50: > 1000 mg/L (Daphnia magna)
Third Party Formulation (TP # 1710987)	No data available	No data available	No data available	48h EC50: = 0.45 mg/L (Daphnia magna)
Third Party Formulation (TP # 1710987)	No data available	96h LC50: 13.1 - 16.5 mg/L (Lepomis macrochirus) 96h LC50: 13.5 - 17.3 mg/L (Oncorhynchus mykiss) 96h LC50: 2.661 - 4.093 mg/L (Oncorhynchus mykiss) 96h LC50: 23.53 - 29.97 mg/L (Pimephales promelas) 96h LC50: 30.26 - 40.75 mg/L (Poecilia reticulata)	EC50 = 0.0084 mg/L 24 h	48h LC50: = 0.6 mg/L (Gammarus lacustris) 48h EC50: = 3.82 mg/L (water flea)

		96h LC50: 7.711 - 9.591 mg/L (Lepomis macrochirus) 96h LC50: = 13.4 mg/L (Pimephales promelas) 96h LC50: = 19 mg/L (Lepomis macrochirus) 96h LC50: = 780 mg/L (Cyprinus carpio) 96h LC50: > 780 mg/L (Cyprinus carpio)		
Third Party Formulation (TP # 1710987)	No data available	96h LC50: = 0.0609 mg/L (Pimephales promelas)	No data available	No data available
3rd Party %: 1e-005 (Third Party Formulation (TP # 1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))	96h EC50: 1.7 - 7.6 mg/L (Pseudokirchneriella subcapitata) 72h EC50: 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) 72h EC50: = 4.6 mg/L (Pseudokirchneriella subcapitata) 96h EC50: > 438 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 11.0 - 18.0 mg/L (Oncorhynchus mykiss) 96h LC50: 7.55 - 11 mg/L (Pimephales promelas) 96h LC50: 9.1 - 15.6 mg/L (Pimephales promelas) 96h LC50: = 32 mg/L (Lepomis macrochirus) 96h LC50: = 4.2 mg/L (Oncorhynchus mykiss) 96h LC50: = 9.6 mg/L (Poecilia reticulata)	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	48h EC50: 1.8 - 2.4 mg/L (Daphnia magna)
Third Party Formulation (TP # 1533278)	No data available	96h LC50: 13.1 - 16.5 mg/L (Lepomis macrochirus) 96h LC50: 13.5 - 17.3 mg/L (Oncorhynchus mykiss) 96h LC50: 2.661 - 4.093 mg/L (Oncorhynchus mykiss) 96h LC50: 23.53 - 29.97 mg/L (Pimephales promelas) 96h LC50: 30.26 - 40.75 mg/L (Poecilia reticulata) 96h LC50: 7.711 - 9.591 mg/L (Lepomis macrochirus) 96h LC50: = 13.4 mg/L (Pimephales promelas) 96h LC50: = 19 mg/L (Lepomis macrochirus) 96h LC50: = 780 mg/L	EC50 = 0.0084 mg/L 24 h	48h LC50: = 0.6 mg/L (Gammarus lacustris) 48h EC50: = 3.82 mg/L (water flea)

		(Cyprinus carpio) 96h LC50: > 780 mg/L (Cyprinus carpio)		
Third Party Formulation (TP # 1533257)	No data available	96h LC50: 0.91 - 2.82 mg/L (Oncorhynchus mykiss) 96h LC50: 5.74 - 6.44 mg/L (Pimephales promelas) 96h LC50: = 1.6 mg/L (Oncorhynchus mykiss) 96h LC50: = 1.99 mg/L (Pimephales promelas) 96h LC50: = 31.0265 mg/L (Lepomis macrochirus)	EC50 = 0.93 mg/L 30 min EC50 > 20 mg/L 18 h	48h EC50: 1.09 - 3.4 mg/L (Daphnia magna) 48h EC50: = 1.96 mg/L (Daphnia magna) 48h LC50: = 2.16 mg/L (Daphnia magna)

12.2. Persistence and degradability

Persistence and Degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

.

Chemical name	Partition coefficient
2-Butoxyethanol	0.81
Third Party Formulation (TP # 1710987)	4.5
Third Party Formulation (TP # 1710987)	3.15
Third Party Formulation (TP # 1710987)	7.1
3rd Party %: 1e-005 (Third Party Formulation (TP # 1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))	3.6
Third Party Formulation (TP # 1533278)	3.15
Third Party Formulation (TP # 1533257)	3.4

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
Petroleum distillates, hydrotreated heavy paraffinic	The substance is not PBT / vPvB
Petroleum distillates, hydrotreated light paraffinic	The substance is not PBT / vPvB
2-Butoxyethanol	The substance is not PBT / vPvB
Third Party Formulation (TP # 1710987)	The substance is not PBT / vPvB
Third Party Formulation (TP # 1710987)	The substance is not PBT / vPvB
Third Party Formulation (TP # 1710987)	PBT / vPvB substance

3rd Party %: 1e-005 (Third Party Formulation (TP # 1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))	The substance is not PBT / vPvB
Third Party Formulation (TP # 1533278)	The substance is not PBT / vPvB
Third Party Formulation (TP # 1533257)	The substance is not PBT / vPvB

12.6. Other adverse effects

Other adverse effects No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging No information available.

Section 14: TRANSPORT INFORMATION

IMDG/IMO

14.1 UN-No.	UN2810
14.2 Proper Shipping Name	TOXIC LIQUID, ORGANIC, N.O.S.
Description	UN2810, TOXIC LIQUID, ORGANIC, N.O.S. (2-BUTOXYETHANOL), 6.1, III
14.3 Hazard Class	6.1
14.4 Packing Group	III
14.5 Marine Pollutant	Not applicable
14.6 Special Provisions	None
EmS-No.	F-A, S-A
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

RID

14.1 UN-No.	UN2810
14.2 Proper Shipping Name	TOXIC LIQUID, ORGANIC, N.O.S.
Description	UN2810, TOXIC LIQUID, ORGANIC, N.O.S. (2-BUTOXYETHANOL), 6.1, III
14.3 Hazard Class	6.1
ADR/RID-Labels	6.1
14.4 Packing Group	III
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None
Classification code	T1

ADR

14.1 UN-No.	UN2810
14.2 Proper Shipping Name	TOXIC LIQUID, ORGANIC, N.O.S.
Description	UN2810, TOXIC LIQUID, ORGANIC, N.O.S. (2-BUTOXYETHANOL), 6.1, III

14.3 Hazard Class	6.1
14.4 Packing Group	III
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None 274, 614
Classification code	T1
Tunnel restriction code	(E)

IATA

14.1 UN-No.	UN2810
14.2 Proper Shipping Name	TOXIC LIQUID, ORGANIC, N.O.S.
Description	UN2810, TOXIC LIQUID, ORGANIC, N.O.S. (2-BUTOXYETHANOL), 6.1, III
14.3 Hazard Class	6.1
14.4 Packing Group	III
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

ERG Code 6L

Section 15: REGULATORY INFORMATION

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

National regulations

France
Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
2-Butoxyethanol 111-76-2	RG 84	-
Third Party Formulation (TP # 1710987)	RG 4bis,RG 84	-
3rd Party %: 1e-005 (Third Party Formulation (TP # 1533278)), 3rd Party %: 0.06 (Third Party Formulation (TP # 1710987))	RG 84	-
Third Party Formulation (TP # 1533278)	RG 4bis,RG 84	-
Third Party Formulation (TP # 1533257)	RG 5,RG 14,RG 15,RG 15bis,RG 20bis RG 20,RG 20bis,RG 26,RG 34,RG 65	-

Germany
Water hazard class (WGK) Highly hazardous to water (WGK 3)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Petroleum distillates, hydrotreated heavy paraffinic - 64742-54-7	Use restricted. See item 28. Use restricted. See item 75.	
Petroleum distillates, hydrotreated light paraffinic - 64742-55-8	Use restricted. See item 28. Use restricted. See item 75.	
2-Butoxyethanol - 111-76-2	Use restricted. See item 75.	
Third Party Formulation (TP # 1710987) -	Use restricted. See item 75.	
Third Party Formulation (TP # 1533278) -	Use restricted. See item 75.	
Third Party Formulation (TP # 1533257) -	Use restricted. See item 75.	

Persistent Organic Pollutants
Not applicable.

Dangerous substance category per Seveso Directive (2012/18/EU)
H2 - ACUTE TOXIC

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable.

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available.

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H225 - Highly flammable liquid and vapor
H226 - Flammable liquid and vapor
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H332 - Harmful if inhaled
H350 - May cause cancer
H351 - Suspected of causing cancer
H360D - May damage the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

Legend
SVHC: Substances of Very High Concern for Authorization:

Section 8: Exposure controls and personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	-	Skin designation

Classification procedure

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Food Research Journal
Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
U.S. Environmental Protection Agency High Production Volume Chemicals
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

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This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.

Disclaimer
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End of Safety Data Sheet