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

Revision date 31/01/2024 **Revision Number** 12

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

1.1. Product identifier

Product Name REDEX KEEP CLEAN DIESEL

Product Code(s) RADD2701C, RADD2201B, RADD1601B, RADD0057B, PADD0013B, RADD0071B, RADD0077A, NQA2495

Safety data sheet number 0000036

Unique Formula Identifier (UFI) Y330-30GA-R00Q-7Q79

Pure substance/mixture Mixture

Contains Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

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

Recommended use Car Maintenance Product

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
Holts Auto
Unit 100 Barton Dock Road
Manchester
United Kingdom
M32 0YQ

Supplier
Holt Lloyd Services,
52 Rue des 40 Mines,
60000 – Allonne,
France

For further information, please contact

Contact Point www.holtsauto.com

E-mail address info@holtsauto.com

1.4. Emergency telephone number

Emergency Telephone Holt Lloyd International: UK - 00 44 (0) 161 866 4800 Office Hours - Mon - Thurs: 8am - 5pm. Fri - 8am - 1pm.
00 44 (0) 161 886 4806 (24 Hour Voicemail).

Emergency Telephone - (EC)1272/2008	
Europe	**Europe: 00 44 (0) 161 866 4800 Office Hours - Mon - Thurs: 8am - 5pm. Fri - 8am - 1pm. 00 44 (0) 161 886 4806 (24 Hour Voicemail).**
Austria	+43 1 31304 5620; chemikalien@umweltbundesamt.at
Belgium	+32022649636; info@poisoncentre.be
Ireland	+353 (1) 809 2166 / +353 (1) 809 2566; chemicalsinfo@beaumont.ie
United Kingdom	Holt Lloyd International: UK - 00 44 (0) 161 866 4800 Office Hours - Mon - Thurs: 8am - 5pm. Fri - 8am - 1pm.

	00 44 (0) 161 886 4806 (24 Hour Voicemail).

SECTION 2: Hazards identification

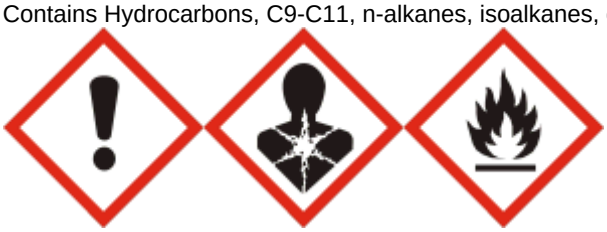
2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Flammable liquids	Category 3 - (H226)
Specific target organ toxicity — single exposure	Category 3 - (H336)
Aspiration hazard	Category 1 - (H304)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Contains Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics



Signal word
Danger

Hazard statements
H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H336 - May cause drowsiness or dizziness
H412 - Harmful to aquatic life with long lasting effects
EUH208 - Contains Maleic anhydride May produce an allergic reaction.

Precautionary Statements - EU (§28, 1272/2008)
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 - Use only outdoors or in a well-ventilated area.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 - Do NOT induce vomiting.
P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish.
P405 - Store locked up.
P501 - Dispose of contents/ container to an approved waste disposal plant.

Unknown aquatic toxicity Contains 1.54803 % of components with unknown hazards to the aquatic environment.

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

2.3. Other hazards

Harmful to aquatic life.

Endocrine Disruptor Information Contains a known or suspected endocrine disruptor.

Chemical name	EU - REACH (1907/2006) - Article 59(1) - Candidate List of Substances of Very	EU - REACH (1907/2006) - Endocrine Disruptor Assessment List of

	High Concern (SVHC) for Authorisation	Substances
Phenol, dodecyl-, branched	Endocrine disrupting properties	Endocrine disrupting properties

Chemical name	Endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605(4)
Phenol, dodecyl-, branched	Endocrine disrupting properties

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9	50 - <100%	01-2119463258-33-0000	265-150-3 (649-327-00-6)	Flam. Liq. 3 (H226) STOT SE 3 (H336) Asp. Tox. 1 (H304)	-	-	-
NAPHTHALENE 91-20-3	0.025 - <0.25%	01-2119561346-37-0000	202-049-5 (601-052-00-2)	Acute Tox. 4 (H302) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	1	1
1,2,4-TRIMETHYLBENZENE 95-63-6	0.025 - <0.25%	01-2119472135-42-0000	202-436-9 (601-043-00-3)	Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226)	-	-	-
Phenol, dodecyl-, branched 210555-94-5	0.025 - <0.25%	01-2119513207-49-0000	(604-092-00-9)	Skin Corr. 1 (H314) Eye Dam. 1 (H318) Repr. 1B (H360F) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	10	10
Ethylenediamine 107-15-3	<0.025%	01-2119480383-37-0000	203-468-6 (612-006-00-6)	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Corr. 1B (H314) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) Flam. Liq. 3 (H226)	-	-	-
Maleic anhydride 108-31-6	<0.025%	01-2119472428-31-0000	203-571-6 (607-096-00-9)	Acute Tox. 4 (H302) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Resp. Sens. 1 (H334) Skin Sens. 1A (H317) STOT RE 1 (H372) (EUH066)	Skin Sens. 1A :: C>=0.001%	-	-

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

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9	6000	5001	No data available	No data available	No data available
NAPHTHALENE 91-20-3	1110	1120	0.4	No data available	No data available
1,2,4-TRIMETHYLBENZENE 95-63-6	3280	3160	18	No data available	No data available
Phenol, dodecyl-, branched 210555-94-5	2100	15000	No data available	No data available	No data available
Ethylenediamine 107-15-3	637	560	14.7	No data available	No data available
Maleic anhydride 108-31-6	235	2620	0.16	No data available	No data available

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 Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Inhalation Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.

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.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.

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. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

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

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Effects of Exposure No information available.

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

Note to doctors Because of the danger of aspiration, emesis or gastric lavage should not be used unless the risk is justified by the presence of additional toxic substances.

SECTION 5: Firefighting 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 Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3. Advice for firefighters

Special protective equipment and precautions 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. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information Ventilate the area. 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. Prevent product from entering drains.

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. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers 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 labelled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

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. Avoid contact with skin and eyes. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment.

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.

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 labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

Storage class (TRGS 510) LGK 3.

7.3. Specific end use(s)

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	Austria	Belgium	Bulgaria	Croatia
NAPHTHALENE	TWA: 10 ppm	TWA: 10 ppm	TWA: 10 ppm	STEL: 75.0 mg/m^3	TWA: 10 ppm

91-20-3	TWA: 50 mg/m³	TWA: 50 mg/m³ H*	TWA: 53 mg/m³ STEL: 15 ppm STEL: 80 mg/m³ D*	TWA: 50.0 mg/m³ K*	TWA: 50 mg/m³
1,2,4-TRIMETHYLBENZENE 95-63-6	TWA: 20 ppm TWA: 100 mg/m³	TWA: 20 ppm TWA: 100 mg/m³ STEL 30 ppm STEL 150 mg/m³	TWA: 20 ppm TWA: 100 mg/m³	TWA: 20 ppm TWA: 100.0 mg/m³	TWA: 20 ppm TWA: 100 mg/m³
Ethylenediamine 107-15-3	-	TWA: 10 ppm TWA: 25 mg/m³ STEL 40 ppm STEL 100 mg/m³ H* Sh+	TWA: 10 ppm TWA: 25 mg/m³ D*	TWA: 25 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ Skin Sensitisation Respiratory Sensitisation
Maleic anhydride 108-31-6	-	TWA: 0.1 ppm TWA: 0.4 mg/m³ STEL 0.2 ppm STEL 0.8 mg/m³ Sa+ Sh+	TWA: 0.0025 ppm TWA: 0.01 mg/m³	TWA: 1.0 mg/m³	TWA: 0.41 mg/m³ TWA: 0.1 ppm STEL: 0.2 ppm STEL: 0.8 mg/m³ Skin Sensitisation Respiratory Sensitisation
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
NAPHTHALENE 91-20-3	TWA: 10 ppm TWA: 50 mg/m³	TWA: 50 mg/m³ Ceiling: 100 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ H* STEL: 20 ppm STEL: 100 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ A*	TWA: 1 ppm TWA: 5 mg/m³ STEL: 2 ppm STEL: 10 mg/m³ iho*
1,2,4-TRIMETHYLBENZENE 95-63-6	TWA: 20 ppm TWA: 100 mg/m³	TWA: 100 mg/m³ Ceiling: 250 mg/m³ D*	TWA: 20 ppm TWA: 100 mg/m³ STEL: 40 ppm STEL: 200 mg/m³	TWA: 20 ppm TWA: 100 mg/m³	TWA: 20 ppm TWA: 100 mg/m³
Ethylenediamine 107-15-3	-	TWA: 25 mg/m³ Ceiling: 50 mg/m³ D* S+	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³	S+ TWA: 10 ppm TWA: 25 mg/m³ STEL: 15 ppm STEL: 35 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³ iho*
Maleic anhydride 108-31-6	-	TWA: 1 mg/m³ Ceiling: 2 mg/m³ S+	TWA: 0.1 ppm TWA: 0.4 mg/m³ STEL: 0.2 ppm STEL: 0.8 mg/m³	S+ TWA: 0.3 ppm TWA: 1.2 mg/m³ STEL: 0.6 ppm STEL: 2.5 mg/m³	TWA: 0.1 ppm TWA: 0.41 mg/m³ Ceiling: 0.2 ppm Ceiling: 0.81 mg/m³
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9	-	-	TWA: 50 ppm TWA: 300 mg/m³ Peak: 100 ppm Peak: 600 mg/m³	-	-
NAPHTHALENE 91-20-3	TWA: 10 ppm TWA: 50 mg/m³	TWA: 0.4 ppm TWA: 2 mg/m³ H*	*	TWA: 10 ppm TWA: 50 mg/m³	TWA: 50 mg/m³ TWA: 10 ppm
1,2,4-TRIMETHYLBENZENE 95-63-6	TWA: 20 ppm TWA: 100 mg/m³ STEL: 50 ppm STEL: 250 mg/m³	TWA: 20 ppm TWA: 100 mg/m³	TWA: 20 ppm TWA: 100 mg/m³ Peak: 40 ppm Peak: 200 mg/m³	TWA: 25 ppm TWA: 125 mg/m³	TWA: 100 mg/m³ TWA: 20 ppm
Ethylenediamine 107-15-3	TWA: 10 ppm TWA: 25 mg/m³ STEL: 15 ppm STEL: 35 mg/m³	-	respiratory and skin sensitizer	TWA: 10 ppm TWA: 25 mg/m³	-
Maleic anhydride	STEL: 1 mg/m³	TWA: 0.02 ppm	TWA: 0.02 ppm	TWA: 0.25 ppm	TWA: 0.08 mg/m³

108-31-6	All+	TWA: 0.081 mg/m³ Sa+ Sh+	TWA: 0.081 mg/m³ Peak: 0.02 ppm Peak: 0.081 mg/m³ respiratory and skin sensitizer	TWA: 1 mg/m³	TWA: 0.2 ppm sz+ STEL: 0.08 mg/m³ STEL: 0.2 ppm
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
NAPHTHALENE 91-20-3	TWA: 10 ppm TWA: 50 mg/m³ STEL: 30 ppm STEL: 150 mg/m³	-	TWA: 10 ppm TWA: 52 mg/m³ cute*	TWA: 10 ppm TWA: 50 mg/m³	TWA: 10 ppm TWA: 50 mg/m³
1,2,4-TRIMETHYLBENZENE 95-63-6	TWA: 20 ppm TWA: 100 mg/m³ STEL: 60 ppm STEL: 300 mg/m³ Sk*	TWA: 20 ppm TWA: 100 mg/m³	TWA: 25 ppm TWA: 123 mg/m³	TWA: 20 ppm TWA: 100 mg/m³	TWA: 20 ppm TWA: 100 mg/m³
Ethylenediamine 107-15-3	TWA: 10 ppm TWA: 25 mg/m³ STEL: 30 ppm STEL: 75 mg/m³ Sens+	-	TWA: 10 ppm TWA: 25 mg/m³ cute*	TWA: 2 mg/m³ TWA: 0.5 mg/m³	J+ TWA: 10 ppm TWA: 25 mg/m³ STEL: 15 ppm STEL: 35 mg/m³
Maleic anhydride 108-31-6	TWA: 0.01 ppm STEL: 0.03 ppm Sens+	-	TWA: 0.0025 ppm TWA: 0.01 mg/m³ senR+ senD+	TWA: 1 mg/m³	J+ TWA: 0.3 ppm TWA: 1.2 mg/m³ STEL: 0.6 ppm STEL: 2.5 mg/m³
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9	-	-	-	-	STEL: 900 mg/m³ TWA: 300 mg/m³
NAPHTHALENE 91-20-3	TWA: 10 ppm TWA: 50 mg/m³	TWA: 10 ppm TWA: 50 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ STEL: 16 ppm STEL: 80 mg/m³ H*	TWA: 10 ppm TWA: 50 mg/m³ STEL: 20 ppm STEL: 75 mg/m³ H*	STEL: 50 mg/m³ TWA: 20 mg/m³ skóra*
1,2,4-TRIMETHYLBENZENE 95-63-6	TWA: 20 ppm TWA: 100 mg/m³	TWA: 20 ppm TWA: 100 mg/m³	TWA: 20 ppm TWA: 100 mg/m³ STEL: 40 ppm STEL: 200 mg/m³	TWA: 20 ppm TWA: 100 mg/m³ STEL: 150 mg/m³ STEL: 30 ppm	STEL: 170 mg/m³ TWA: 100 mg/m³ skóra*
Ethylenediamine 107-15-3	-	-	-	TWA: 10 ppm TWA: 25 mg/m³ A+ STEL: 20 ppm STEL: 37.5 mg/m³	STEL: 50 mg/m³ TWA: 20 mg/m³ skóra*
Maleic anhydride 108-31-6	-	-	-	TWA: 0.2 ppm TWA: 0.8 mg/m³ A+ STEL: 0.6 ppm STEL: 2.4 mg/m³	STEL: 1 mg/m³ TWA: 0.5 mg/m³ skóra*
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
NAPHTHALENE 91-20-3	TWA: 10 ppm TWA: 50 mg/m³ STEL: 15 ppm Cutânea*	TWA: 10 ppm TWA: 50 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ K* Ceiling: 80 mg/m³	TWA: 10 ppm TWA: 50 mg/m³ STEL: 10 ppm STEL: 50 mg/m³ K*	TWA: 10 ppm TWA: 53 mg/m³ STEL: 15 ppm STEL: 80 mg/m³ vía dérmica*
1,2,4-TRIMETHYLBENZENE 95-63-6	TWA: 20 ppm TWA: 100 mg/m³	TWA: 20 ppm TWA: 100 mg/m³	TWA: 20 ppm TWA: 100 mg/m³	TWA: 20 ppm TWA: 100 mg/m³ STEL: 40 ppm	TWA: 20 ppm TWA: 100 mg/m³

				STEL: 200 mg/m³	
Ethylenediamine 107-15-3	TWA: 10 ppm Cutânea*	TWA: 8 ppm TWA: 20 mg/m³ STEL: 12 ppm STEL: 30 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ S+	-	TWA: 10 ppm TWA: 25 mg/m³ vía dérmica* Sen+
Maleic anhydride 108-31-6	TWA: 0.01 mg/m³ Sensitizer dermal and respiratory	TWA: 0.25 ppm TWA: 1 mg/m³ STEL: 0.75 ppm STEL: 3 mg/m³	TWA: 0.1 ppm TWA: 0.41 mg/m³ S+	TWA: 0.1 ppm TWA: 0.41 mg/m³ STEL: 0.1 ppm STEL: 0.41 mg/m³	TWA: 0.1 ppm TWA: 0.4 mg/m³ Sen+

Chemical name	Sweden	Switzerland	United Kingdom
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9	-	TWA: 50 ppm TWA: 300 mg/m³ STEL: 100 ppm STEL: 600 mg/m³	-
NAPHTHALENE 91-20-3	NGV: 10 ppm NGV: 50 mg/m³ Vägledande KGV: 15 ppm Vägledande KGV: 80 mg/m³ H*	TWA: 10 ppm TWA: 50 mg/m³ H*	-
1,2,4-TRIMETHYLBENZENE 95-63-6	NGV: 20 ppm NGV: 100 mg/m³ Bindande KGV: 35 ppm Bindande KGV: 170 mg/m³	TWA: 20 ppm TWA: 100 mg/m³ STEL: 40 ppm STEL: 200 mg/m³	TWA: 25 ppm TWA: 125 mg/m³ STEL: 75 ppm STEL: 375 mg/m³
Ethylenediamine 107-15-3	NGV: 10 ppm NGV: 25 mg/m³ Vägledande KGV: 15 ppm Vägledande KGV: 35 mg/m³ S+	S+ TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³	-
Maleic anhydride 108-31-6	NGV: 0.05 ppm NGV: 0.2 mg/m³ Bindande KGV: 0.1 ppm Bindande KGV: 0.4 mg/m³ S+	S+ TWA: 0.1 ppm TWA: 0.4 mg/m³ STEL: 0.1 ppm STEL: 0.4 mg/m³	TWA: 1 mg/m³ STEL: 3 mg/m³ Sen+

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
1,2,4-TRIMETHYLBENZENE 95-63-6	-	-	-	400 mg/g Creatinine - urine (Dimethylbenzoic acid (sum of all isomers)) - at the end of the work shift; at chronic exposure in the middle of the working week	-

Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
NAPHTHALENE 91-20-3	-	-	-	35 µg/L - BAR (for long-term exposures: at the end of the shift after several shifts) urine 4000 µg/L - (end of exposure or end of shift) - urine 13500 µg/L - (end of exposure or end	-

				of shift) - urine 23300 µg/L - (end of exposure or end of shift) - urine 34200 µg/L - (end of exposure or end of shift) - urine 30 µg/L - (end of exposure or end of shift) - urine 60 µg/L - (end of exposure or end of shift) - urine 175 µg/L - (end of exposure or end of shift) - urine 280 µg/L - (end of exposure or end of shift) - urine 390 µg/L - (end of exposure or end of shift) - urine 220 µg/L - (end of exposure or end of shift) - urine 500 µg/L - (end of exposure or end of shift) - urine 1500 µg/L - (end of exposure or end of shift) - urine 2300 µg/L - (end of exposure or end of shift) - urine 3300 µg/L - (end of exposure or end of shift) - urine	
1,2,4-TRIMETHYLBENZENE 95-63-6	-	-	- urine (Total Dimethylbenzoic acids (after hydrolysis) in urine) - end of shift after several shits	400 mg/g Creatinine (urine - Dimethylbenzoic acid (sum of all isomers after hydrolysis) end of shift) 400 mg/g Creatinine (urine - Dimethylbenzoic acid (sum of all isomers after hydrolysis) for long-term exposures: at the end of the shift after several shifts) 400 mg/g Creatinine - BAT (for long-term exposures: at the end of the shift after several shifts) urine	400 mg/g Creatinine (urine - Dimethylbenzoic acid (sum of all isomers after hydrolysis) end of shift) 400 mg/g Creatinine (urine - Dimethylbenzoic acid (sum of all isomers after hydrolysis) for long-term exposures: at the end of the shift after several shifts)

Chemical name	Hungary	Ireland	Italy MDLPS	Italy AIDII
NAPHTHALENE 91-20-3	-	4 µmol/mol Creatinine (urine - 1-Hydroxypyrene post shift)	-	- () - end of shift
Chemical name	**Slovenia**	**Spain**	**Switzerland**	**United Kingdom**
1,2,4-TRIMETHYLBENZENE 95-63-6	400 mg/g Creatinine - urine (Dimethylbenzoic acid (all isomers after hydrolysis)) - at the end of the work shift; for long-term exposure: at the end of the work shift after several consecutive workdays	-	-	-

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9	-	-	1286.4 mg/m³ [4] [7] 837.5 mg/m³ [5] [6] 1066.67 mg/m³ [5] [7]
NAPHTHALENE 91-20-3	-	3.57 mg/kg bw/day [4] [6]	25 mg/m³ [4] [6] 25 mg/m³ [5] [6]
1,2,4-TRIMETHYLBENZENE 95-63-6	-	16171 mg/kg bw/day [4] [6]	100 mg/m³ [4] [6] 100 mg/m³ [4] [7] 100 mg/m³ [5] [6] 100 mg/m³ [5] [7]
Ethylenediamine 107-15-3	-	3.6 mg/kg bw/day [4] [6]	25 mg/m³ [4] [6]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9	-	-	1152 mg/m³ [4] [7] 178.57 mg/m³ [5] [6] 640 mg/m³ [5] [7]
1,2,4-TRIMETHYLBENZENE 95-63-6	15 mg/kg bw/day [4] [6]	-	29.4 mg/m³ [4] [6] 29.4 mg/m³ [4] [7] 29.4 mg/m³ [5] [6] 29.4 mg/m³ [5] [7]
Ethylenediamine 107-15-3	0.275 mg/kg bw/day [4] [6]	-	12.5 mg/m³ [4] [6]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
NAPHTHALENE 91-20-3	2.4 µg/L	20 µg/L	2.4 µg/L	-	-
1,2,4-TRIMETHYLBENZENE 95-63-6	0.12 mg/L	0.12 mg/L	0.12 mg/L	-	-
Ethylenediamine 107-15-3	0.016 mg/L	0.167 mg/L	0.002 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
NAPHTHALENE 91-20-3	67.2 µg/kg sediment dw	67.2 µg/kg sediment dw	2.9 mg/L	53.3 µg/kg soil dw	-
1,2,4-TRIMETHYLBENZENE 95-63-6	13.56 mg/kg sediment dw	13.56 mg/kg sediment dw	2.41 mg/L	2.34 mg/kg soil dw	-
Ethylenediamine 107-15-3	7.68 mg/kg sediment dw	0.768 mg/kg sediment dw	0.5 mg/L	4.36 mg/kg soil dw	4.9 mg/kg food

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

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.

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.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
Appearance Coloured liquid

Colour	black
Odour	Aromatic hydrocarbons.
Odour threshold	No information available

Property	**Values**	**Remarks • Method**
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	sds.support@halfords.co.uk
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	37 °C	Closed cup
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available sds.support@halfords.co.uk	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	0.768 @ 20°C	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information sds.support@halfords.co.uk

9.2.1. Information with regards to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness.

Eye contact Specific test data for the substance or mixture is not available. May cause irritation.

Skin contact Repeated exposure may cause skin dryness or cracking.

Ingestion Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Acute toxicity

Numerical measures of toxicity

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

ATEmix (oral)	99,999.00 mg/kg
ATEmix (dermal)	99,999.00 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapour)	99,999.00 mg/l
ATEmix (inhalation-dust/mist)	99,999.00 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	> 6000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 8500 mg/m³ (Rat) 4 h
NAPHTHALENE	= 1110 mg/kg (Rat)	= 1120 mg/kg (Rabbit)	> 0.4 mg/L (Rat) 4 h
1,2,4-TRIMETHYLBENZENE	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m³ (Rat) 4 h

Phenol, dodecyl-, branched	= 2100 mg/kg (Rat)	= 15000 mg/kg (Rabbit)	-
Ethylenediamine	= 637 mg/kg (Rat)	= 560 mg/kg (Rabbit)	= 14.7 mg/L (Rat) 4 h
Maleic anhydride	= 235 mg/kg (Rat)	= 2620 mg/kg (Rabbit)	= 0.16 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 sensitisation No information available.

Germ cell mutagenicity No information available.

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

Chemical name	European Union
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Muta. 1B
NAPHTHALENE	Muta. 1B
1,2,4-TRIMETHYLBENZENE	Muta. 1B

Carcinogenicity No information available.

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

Chemical name	European Union
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Carc. 1B
NAPHTHALENE	Carc. 2
1,2,4-TRIMETHYLBENZENE	Carc. 1B

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
Phenol, dodecyl-, branched	Repr. 1B

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure No information available.

Aspiration hazard May be fatal if swallowed and enters airways.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Unknown aquatic toxicity Contains 1.54803 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	-	LC50: =2200mg/L (96h, Pimephales promelas)	-	-
NAPHTHALENE	-	LC50: 5.74 - 6.44mg/L (96h, Pimephales promelas) LC50: =1.6mg/L (96h, Oncorhynchus mykiss) LC50: 0.91 - 2.82mg/L (96h, Oncorhynchus mykiss) LC50: =1.99mg/L (96h, Pimephales promelas) LC50: =31.0265mg/L (96h, Lepomis macrochirus)	-	LC50: =2.16mg/L (48h, Daphnia magna) EC50: =1.96mg/L (48h, Daphnia magna) EC50: 1.09 - 3.4mg/L (48h, Daphnia magna)
1,2,4-TRIMETHYLBENZENE	-	LC50: 7.19 - 8.28mg/L (96h, Pimephales promelas)	-	EC50: =6.14mg/L (48h, Daphnia magna)
Phenol, dodecyl-, branched	-	LC50: =0.14mg/L (96h, Oncorhynchus clarki)	-	-
Ethylenediamine	EC50: =645mg/L (72h, Pseudokirchneriella subcapitata) EC50: =151mg/L (96h, Pseudokirchneriella subcapitata)	LC50: 98.6 - 131.6mg/L (96h, Pimephales promelas) LC50: 191 - 254mg/L (96h, Pimephales promelas) LC50: =115.7mg/L (96h, Pimephales promelas) LC50: 180 - 560mg/L (96h, Poecilia reticulata)	-	EC50: =17mg/L (48h, Daphnia magna)
Maleic anhydride	EC50: =29mg/L (72h, Desmodesmus subspicatus)	LC50: =75mg/L (96h, Oncorhynchus mykiss)	-	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
NAPHTHALENE	3.4
1,2,4-TRIMETHYLBENZENE	3.63
Phenol, dodecyl-, branched	7.14
Ethylenediamine	-1.221
Maleic anhydride	-2.36

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	The substance is not PBT / vPvB
NAPHTHALENE	The substance is not PBT / vPvB
1,2,4-TRIMETHYLBENZENE	The substance is not PBT / vPvB
Ethylenediamine	The substance is not PBT / vPvB
Maleic anhydride	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number UN1993
14.2 UN proper shipping name Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, Ethylenediamine)
14.3 Transport hazard class(es) 3
14.4 Packing group III
Description UN1993, Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, Ethylenediamine), 3, III
14.5 Environmental hazards Not applicable

14.6 Special precautions for user

Special Provisions	A3
ERG Code	3L

IMDG

14.1 UN number or ID number	UN1993
14.2 UN proper shipping name	Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, Ethylenediamine)
14.3 Transport hazard class(es)	3
14.4 Packing group	III
Description	UN1993, Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, Ethylenediamine), 3, III, (37°C c.c.)
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	223, 274, 955
EmS-No.	F-E, S-E
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	UN1993
14.2 UN proper shipping name	Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, Ethylenediamine)
14.3 Transport hazard class(es)	3
14.4 Packing group	III
Description	UN1993, Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, Ethylenediamine), 3, III
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	274, 601
Classification code	F1

ADR

14.1 UN number or ID number	UN1993
14.2 UN proper shipping name	Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, Ethylenediamine)
14.3 Transport hazard class(es)	3
14.4 Packing group	III
Description	UN1993, Flammable liquid, n.o.s. (1,2,4-TRIMETHYLBENZENE, Ethylenediamine), 3, III, (D/E)
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	274, 601
Classification code	F1
Tunnel restriction code	(D/E)

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
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - 64742-48-9	RG 84
1,2,4-TRIMETHYLBENZENE - 95-63-6	RG 84
Ethylenediamine - 107-15-3	RG 49,RG 49bis
Maleic anhydride - 108-31-6	RG 66

Germany

Water hazard class (WGK) strongly hazardous to water (WGK 3)

Netherlands

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
Phenol, dodecyl-, branched	-	-	Fertility Category 1B

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.

Authorisations 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 authorisation per REACH Annex XIV
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - 64742-48-9	Use restricted. See entry 28. Use restricted. See entry 29. Use restricted. See entry 75.	-
NAPHTHALENE - 91-20-3	Use restricted. See entry 75.	-
1,2,4-TRIMETHYLBENZENE - 95-63-6	Use restricted. See entry 75.	-
Phenol, dodecyl-, branched - 210555-94-5	Use restricted. See entry 30. Use restricted. See entry 75.	-
Ethylenediamine - 107-15-3	Use restricted. See entry 75.	-
Maleic anhydride - 108-31-6	Use restricted. See entry 75.	-

Persistent Organic Pollutants

Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS
P5b - FLAMMABLE LIQUIDS
P5c - FLAMMABLE LIQUIDS

Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics - 64742-48-9	-	25000

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

EU - Water Framework Directive (2000/60/EC)

Chemical name	EU - Water Framework Directive (2000/60/EC)
NAPHTHALENE - 91-20-3	Priority substance

EU - Environmental Quality Standards (2008/105/EC)

Chemical name	EU - Environmental Quality Standards (2008/105/EC)
NAPHTHALENE - 91-20-3	Priority substance

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
AIIC	Contact supplier for inventory compliance status
NZIoC	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
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report 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

EUH071 - Corrosive to the respiratory tract
H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H360F - May damage fertility
H372 - Causes damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

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

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

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)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian 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)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
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End of Safety Data Sheet