

SAFETY DATA SHEET ACCORDING TO REGULATION (EC) 1907/2006**PETROL****Product name: Q Max diesel****Q Max iQ diesel****Diesel****ULSD 10 ppm****Creation date: 28.02.2011, Revision: 24.01.2023, version: 5.3****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier****Product name**

Q Max diesel

Q Max iQ diesel

Diesel

ULSD 10 ppm

Product code

[UFI: C1A3-Y0S5-Y00J-MY0R - dizel; UFI: 6MK3-K0SV-M002-S396 - kurilno olje

]

<https://my.chemius.net/p/kx4NhO/en/pd/en>**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses**

fuel

Uses advised against

No information.

1.3 Details of the supplier of the safety data sheet**Supplier**

Petrol d.d.

Dunajska cesta 50

1527 Ljubljana, Slovenia

+386 1 471 42 32

varnostni listi@petrol.si

1.4 Emergency Telephone Number**Emergency**

112

Supplier

+386 1 471 42 32

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 (CLP)

Flam. Liq. 3; H226 Flammable liquid and vapour.
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.
Skin Irrit. 2; H315 Causes skin irritation.
Acute Tox. 4; H332 Harmful if inhaled.
Carc. 2; H351 Suspected of causing cancer.
STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]



Signal word: Danger

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe mist/vapours.
P262 Do not get in eyes, on skin, or on clothing.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 + P331 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Do NOT induce vomiting.
P302 + P352 + P362 + P364 IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulation.

Contains:

Distillates (petroleum), full-range straight-run middle fuel, diesel
renewable hydrocarbons (diesel type fraction)

2.3 Other hazards

PBT/vPvB

No information.

Endocrine disrupting properties

No information.

Additional information

No information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

For mixtures see 3.2.

3.2 Mixtures

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	Notes for substances
Distillates (petroleum), full-range straight-run middle	68814-87-9 272-341-5 - 01-2119486887-13	0-100	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373 Aquatic Chronic 2; H411 EUH066	/	/
fuel, diesel	68334-30-5 269-822-7 649-224-00-6 01-2119484664-27	0-100	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Acute Tox. 4; H332 Carc. 2; H351 STOT RE 2; H373 Aquatic Chronic 2; H411	/	N
renewable hydrocarbons (diesel type fraction)	928771-01-1 618-882-6 - 01-2119450077-42	0-35	Asp. Tox. 1; H304 EUH066	/	/
Fatty acids, C16-18 and C18-unsatd., Me esters	67762-38-3 267-015-4 - 01-2119471664-32	0-7	/	/	/

Notes for substances

N	The harmonised classification as a carcinogen applies unless the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen, in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.
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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes

Symptoms of poisoning may even occur after several hours; therefore medical observation is required at least 48 hours after the event. Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. Person giving first aid should properly protect himself.

Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention. If victim is not breathing give artificial respiration.

Following skin contact

Immediately remove contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. If symptoms develop and persist, seek medical attention.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Immediately consult a doctor. Show the physician the safety data sheet or label. Aspiration hazard if swallowed. Can enter lungs and cause damage.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Coughing, sneezing, nasal discharge, labored breathing. Harmful. Symptoms include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness.

Following skin contact

Itching, redness, pain. Product may be absorbed through the skin. May cause defatting of the skin. Dermatitis.

Following eye contact

Contact with eyes can cause irritation (redness, tearing, pain).

Following ingestion

May cause nausea/vomiting and diarrhea. Aspiration into the lungs causes coughing, shortness of breath and may lead to chemical pneumonia. It can damage the lungs when ingested.

4.3 Indication of any immediate medical attention and special treatment needed

If the ingested quantities exceed 1-2 ml/kg body weight, activated charcoal should be administered (ca. 50 g) and the affected person should be hospitalized.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.
Carbon monoxide (CO).

5.3 Advice for firefighters

Protective actions

The chemical is highly flammable. Vapours are heavier than air and spread along floor. Vapours may form explosive mixtures with the air. Vapours may travel long distances along the ground or floor to an ignition source and flash back. Closed container exposed to heat and fire can cause increased pressure and explosion. Cool containers at risk with water spray. If possible remove containers from endangered area.

Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

Use personal protective equipment (Section 8).

Precautionary measures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

Emergency procedures

Prevent access to unprotected personnel. Prevent access to unauthorised personnel. Evacuate personnel to safe areas, away from the direction of the wind.

For emergency responders

Use personal protective equipment.

6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Stem the spill if this does not pose risks.

For cleaning up

Approach the spill from upwind. In case of bigger spill, dam the spillage, pump the liquid into appropriate labelled containers, absorb a residue with absorbent material and dispose of according to local regulations. Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. A vapor suppressing foam may be used to reduce vapors. Large spillages in open waters should be contained with floating barriers or other mechanical means and collect the product by skimming. The use of dispersants should be advised by an expert.

OTHER INFORMATION

No information.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

Ensure adequate ventilation. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air. Take precautionary measures against static discharges. Use spark-proof tools. Keep away from sources of ignition - no smoking. Protect from open fire and other sources of ignition or heat. Ensure proper grounding of the equipment. Use explosively safe equipment (ventilators, lighting, working instruments and devices,...);

Measures to prevent aerosol and dust generation

Avoid formation of aerosols.

Measures to protect the environment

Avoid release to the environment.

Other measures

No information.

Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin and eyes. Do not breathe vapours/mist. Product is not for eating – do not ingest! Before entering storage tanks and commencing any operation in a confined area (e.g. tunnels), carry out an adequate clean-up, and check the atmosphere for oxygen content and flammability.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep in tightly closed container. Keep in cool and well ventilated area. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Ground equipment electrically. Do not store near chemicals belonging to any of the following classes of storage (LGK): 1, 2A, 4.1 A, 4.1 B, 4.2, 4.3, 5.1 A, 5.1 C, 5.2, 6.1 B, 6.2, 7. Restrictions apply when stored near substances from the following classes of storage (LGK): 5.1 B, 6.1 D, 11, 10-13.

Packaging materials

Store only in original container. Stainless steel. Unsuitable materials for packaging : some synthetic material.

Requirements for storage rooms and vessels

Empty containers may contain harmful, flammable/combustible or explosive residue or vapours.

Storage class

No information.

Further information on storage conditions

No information.

7.3 Specific end use(s)

Recommendations

Do not use compressed air during filling, emptying or handling. Containers should not be cut, weld or exposed to pressure, heat, flame, sparks, static electricity or other sources of ignition.

Industrial sector specific solutions

No information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit values

No information.

Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product

No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	value
Distillates (petroleum), full-range straight-run middle	Worker	inhalation	short term systemic effects	15 min	1500 mg/m ³
Distillates (petroleum), full-range straight-run middle	Worker	inhalation	long term systemic effects	8h, aerosol	16 mg/m ³
Distillates (petroleum), full-range straight-run middle	Worker	dermal	long term systemic effects	8 h	2.9 mg/kg
Distillates (petroleum), full-range straight-run middle	Consumer	oral	long term systemic effects	mg/kg per day	1 mg/kg
fuel, diesel	Worker	inhalation	short term systemic effects	15 min	4300 mg/m ³
fuel, diesel	Worker	dermal	long term systemic effects	8 h	2.9 mg/kg
fuel, diesel	Worker	inhalation	long term systemic effects	8 h	68 mg/m ³
fuel, diesel	Consumer	inhalation	short term systemic effects	15 min	2600 mg/m ³
fuel, diesel	Consumer	dermal	long term systemic effects	mg/kg per day	1.3 mg/kg
fuel, diesel	Consumer	inhalation	long term systemic effects	24 h, aerosol	20 mg/m ³

PNEC values

For product

No information.

For components

No information.

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with eyes and skin. Do not breathe vapours/aerosols. Do not eat, drink or smoke while working.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

Personal protective equipment

Eye and face protection

Safety glasses with side protection (EN 166).

Hand protection

Use chemical resistant gloves classified according to standard EN 374. Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately.

Appropriate materials

Material	Thickness	Penetration Time	Remark
Nitrile	0.4 mm	480 min	/
Viton (Fluorinated rubber)	0.7 mm	480 min	/
Butyl rubber	0.7 mm	120 min	/
chloroprene rubber	0.6 mm	120 min	/

Skin protection

Flame retardant antistatic protective clothing (EN ISO 14116:2008).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Protective masks (EN 136) or half masks (EN 140) with filter A (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

Thermal hazards

No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Prevent exposure in the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

according to specification

Odour

typical

Important health, safety and environmental information

Odour threshold	No information.
Melting point/Freezing point	No information.
Boiling point or initial boiling point and boiling range	163 – 370 °C
Flammability	No information.
Lower and upper explosion limit	6 – 13.5 vol %
Flash point	> 55 °C
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	No information.
Viscosity	kinematic: 2 – 5 mm ² /s at 40 °C
Solubility	Water: ≤ 20 mg/l at 20 °C
Partition coefficient	No information.
Vapour pressure	≤ 1 hPa at 20 °C
Density and/or relative density	Relative density: 0.815 – 0.86 g/cm ³ at 20 °C
Relative vapour density	No information.
Particle characteristics	No information.

9.2 OTHER INFORMATION

Explosive properties	No information.
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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures.

10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks. Take precautionary measures against static discharges.

10.5 Incompatible materials

Strong oxidising agents.
Strong acids.

10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****(a) Acute toxicity**

For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
Distillates (petroleum), full-range straight-run middle	oral	LD ₅₀	rat	/	> 5000 mg/kg bw	API, 1985c	/
Distillates (petroleum), full-range straight-run middle	inhalation	LC ₅₀	rat	/	= 1.78 mg/l	API 1987	/
Distillates (petroleum), full-range straight-run middle	dermal	LD ₅₀	rabbit	/	> 2000 mg/kg bw	API, 1985c	/
fuel, diesel	oral	LD ₅₀	rat	/	> 9 ml/kg bw	API, 1980a,b	/
fuel, diesel	inhalation	LC ₅₀	rat	/	≥ 4.1 mg/l	ARCO, 1988	/
fuel, diesel	dermal	LD ₅₀	rabbit	/	> 5 ml/kg bw	API, 1980a,b	/

Additional information

Harmful if inhaled.

(b) Skin corrosion/irritation

No information.

Additional information

Causes skin irritation.

(c) Serious eye damage/irritation

No information.

(d) Respiratory or skin sensitisation

No information.

Additional information

The product is not classified as sensitising.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

Suspected of causing cancer.

(h) STOT-single exposure

No information.

(i) STOT-repeated exposure

No information.

Additional information

May cause damage to organs through prolonged or repeated exposure.

(j) Aspiration hazard

No information.

Additional information

May cause lung damage if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

No information.

Other information

No information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute (short-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
Distillates (petroleum), full-range straight-run middle	LL ₅₀	2 - 100 mg/L	/	fish	/	Girling A and Cann B, 1996a,b	/
Distillates (petroleum), full-range straight-run middle	LL ₅₀	2 - 100 mg/L	/	algae	/	Girling A and Cann B, 1996a,b	/
Distillates (petroleum), full-range straight-run middle	LL ₅₀	2 - 100 mg/L	/	crustacea	/	Girling A and Cann B, 1996a,b	/
fuel, diesel	LL ₅₀	2 mg/L	/	daphnia	<i>Daphnia magna</i>	Febbo et al.,2007	/
fuel, diesel	LL ₅₀	2 - 100 mg/L	/	fish	/	Girling A and Cann B, 1996a,b	/
fuel, diesel	LL ₅₀	2 - 100 mg/L	/	algae	/	Girling A and Cann B, 1996a,b	/

Chronic (long-term) toxicity

No information.

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

No information.

Additional information

Not easily biodegradable.

12.3 Bioaccumulative potential

Partition coefficient

For components

Name	Media	value	Temperature °C	pH	Concentration	Method
Distillates (petroleum), full-range straight-run middle	Octanol-water (log Pow)	≥ 4	/	/	/	/
fuel, diesel	Octanol-water (log Pow)	ca. 4	/	/	/	/

Bioconcentration factor (BCF)

For product

Species	organism	value	Duration	Evaluation	Method	Remark
organism	/	3.9	/	/	/	/

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

No information.

12.5 Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6 Endocrine disrupting properties

No information.

12.7 Other adverse effects

No information.

12.8 Additional information

For product

Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment. Do not allow to reach ground water, water courses or sewage system. It contains substances with a potential that can bioakumulativno.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Waste codes / waste designations according to LoW

13 07 01* - fuel oil and diesel

13 07 03* - other fuels (including mixtures)

Packaging

Deliver completely emptied containers to approved waste disposal authorities.

Waste codes / waste designations according to LoW

15 01 10* - packaging containing residues of or contaminated by dangerous substances

Waste treatment-relevant information

No information.









Sewage disposal-relevant information

No information.

Other disposal recommendations

No information.

SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
UN 1202	UN 1202	UN 1202	UN 1202
14.2 UN proper shipping name			
DIESEL FUEL	DIESEL FUEL (Distillates (petroleum), full-range straight-run middle)	DIESEL FUEL	DIESEL FUEL
14.3 Transport hazard class(es)			
3	3	3	3
 	 	 	 
14.4 Packing group			
III	III	III	III
14.5 Environmental hazards			
YES	Marine pollutant	YES	YES
14.6 Special precautions for user			
Limited quantities 5 L Special provisions 640M, 664 Packing Instructions P001, IBC03, LP01, R001 Transport category 3 Tunnel restriction code (D/E)	Limited quantities 5 L EmS F-E, S-E Flash point 55 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y344 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 10 L Packing Instructions (Pkg Inst) 355 Maximum Net Quantity/Package (Max Net Qty/Pkg) 25 L Special provisions A3	Limited quantities 5 L
14.7 Maritime transport in bulk according to IMO instruments			
	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline) not applicable

Regulation EC 648/2004 on detergents

No information.

Special instructions

No information.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Indication of changes

No information.

Key literature references and sources for data

No information.

Abbreviations and acronyms

ATE - Acute Toxicity Estimate

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CEN - European Committee for Standardisation

C&L - Classification and Labelling

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS# - Chemical Abstracts Service number

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSA - Chemical Safety Assessment

CSR - Chemical Safety Report

DMEL - Derived Minimal Effect Level

DNEL - Derived No Effect Level

DPD - Dangerous Preparations Directive 1999/45/EC

DSD - Dangerous Substances Directive 67/548/EEC

DU - Downstream User

EC - European Community

ECHA - European Chemicals Agency

EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)

EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)

EEC - European Economic Community

EINECS - European Inventory of Existing Commercial Substances

ELINCS - European List of notified Chemical Substances

EN - European Standard

EQS - Environmental Quality Standard

EU - European Union

Euphrac - European Phrase Catalogue

EWC - European Waste Catalogue (replaced by LoW – see below)

GES - Generic Exposure Scenario

GHS - Globally Harmonized System

IATA - International Air Transport Association

ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG - International Maritime Dangerous Goods

IMSBC - International Maritime Solid Bulk Cargoes

IT - Information Technology

IUCLID - International Uniform Chemical Information Database

IUPAC - International Union for Pure Applied Chemistry

JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.



- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product
- Provided adequate transport data

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for

purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.