 MERCURIA <small>MERCURIA ENERGY TRADING BV</small>	SAFETY DATA SHEET	Page : 1 / 12
	Gasoil	Revision nr : 1
		Issue date : 30/01/2015
		Supersedes :

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

1.1. Product identifier

Trade name/designation : Gasoil
 Chemical name : Fuels, diesel
 EC Index : 649-224-00-6
 EC No : 269-822-7
 CAS No. : 68334-30-5
 Formula : Unspecified

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

Main use category : Industrial use, Professional use, Consumer use

1.3. Details of the supplier of the safety data sheet

Company : Mercuria Energy Trading B.V. supplying for and on behalf of Mercuria Energy Trading S.A
 Herculesplein 108
 3584AA Utrecht , Netherlands
 Telephone +41 22 594 7000
 Telefax: +41 22 594 3904
 E-mail: emergency@sgs.com

1.4. Emergency telephone number

Emergency telephone : +32 3 575 11 30 (SGS 24/7 Emergency Hotline)

IRELAND (REPUBLIC OF)

National Poisons Information Centre
 Beaumont Hospital

+353 18 37 99 64/+353 1 809 21 66

UNITED KINGDOM

National Poisons Information Service
 (Newcastle Centre)
 Regional Drugs and Therapeutics Centre,
 Wolfson Unit

0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EU) 1272/2008


CLP-Classification : The product is classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

Flam. Liq. 3 H226
 Asp. Tox. 1 H304
 Skin Irrit. 2 H315
 Acute Tox. 4 (Inhalation) H332
 Carc. 2 H351
 STOT RE 2 H373
 Aquatic Chronic 2 H411

Full text of H-phrases: see section 16

2.1.2. Classification according to EU Directives 67/548/EEC or 1999/45/EC

Classification : This substance is classified as hazardous according to 67/548/EEC.

 MERCURIA <small>MERCURIA ENERGY TRADING BV</small>	SAFETY DATA SHEET	Page : 2 / 12
		Revision nr : 1
	Gasoil	Issue date : 30/01/2015
		Supersedes :

Xn; R20
Xi; R38
Carc.Cat.3; R40
Xn; R65
N; R51/53

Full text of R-phrases: see section 16

2.2. Label elements

2.2.1. Labelling according to Regulation (EU) 1272/2008

Hazard pictograms :



Signal word :

Hazard statements :

Precautionary statements :

- 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.
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/.
P331 - Do NOT induce vomiting.

2.2.2. Labelling according to Directives (67/548 - 1999/45)

Not relevant

2.3. Other hazards

Other hazards :


- Vapours can form explosive mixtures with air.
This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
Fuels, diesel	(CAS No.) 68334-30-5 (EC No) 269-822-7 (EC Index) 649-224-00-6	100	Carc.Cat.3; R40 Xn; R20 Xn; R65 Xi; R38 N; R51/53

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fuels, diesel	(CAS No.) 68334-30-5 (EC No) 269-822-7 (EC Index) 649-224-00-6	100	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

 MERCURIA <small>MERCURIA ENERGY TRADING BV</small>	<h1>SAFETY DATA SHEET</h1>	Page : 3 / 12
		Revision nr : 1
	<h2>Gasoil</h2>	Issue date : 30/01/2015
		Supersedes :

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

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

- Inhalation : Remove person to fresh air and keep comfortable for breathing. When in doubt or if symptoms are observed, get medical advice. If breathing is irregular or stopped, administer artificial respiration. Get medical advice/attention.
- Skin contact : Take off contaminated clothing. Gently wash with plenty of soap and water. When in doubt or if symptoms are observed, get medical advice. In the event of a high pressure injection injury, worker should obtain immediate medical assistance. Contact with hot product will cause thermal burns. Immerse in cool water/wrap in wet bandages. Get medical advice/attention.
- Eye contact : Rinse immediately carefully and thoroughly with eye-bath or water. When in doubt or if symptoms are observed, get medical advice.
- In case of ingestion : Rinse mouth thoroughly with water. Do NOT induce vomiting. Get immediate medical advice/attention.
- Additional advice : First aider: Pay attention to self-protection! Personal protection equipment: see section 8 Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

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

- Inhalation : Harmful if inhaled. The following symptoms may occur: Irritation.
- Skin contact : Causes skin irritation. The following symptoms may occur: erythema (redness).
- Eye contact : No adverse effects are expected. The following symptoms may occur: Irritation.
- Ingestion : May be fatal if swallowed and enters airways. The following symptoms may occur: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
- Other adverse effects : Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. (thymus, liver, Bone marrow).


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

Not applicable

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray, alcohol resistant foam, Dry extinguishing powder, Carbon dioxide, Inert gas, Sand, Earth
- Extinguishing media which must not be used for safety reasons : Strong water jet

 MERCURIA <small>MERCURIA ENERGY TRADING BV</small>	SAFETY DATA SHEET	Page : 4 / 12
		Revision nr : 1
	Gasoil	Issue date : 30/01/2015
		Supersedes :

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid and vapour.
- Specific hazards : Heating causes rise in pressure with risk of bursting.
Vapours can form explosive mixtures with air.
Vapours are heavier than air, spread along floors and form explosive mixtures with air.
Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.
Hazardous combustion products:
Carbon oxides,
Organic compounds,
(As appropriate :
Sulphur oxides,
Hydrogen sulfide (H₂S),
Sulphuric acid)

5.3. Advice for firefighters

- Advice for firefighters : Special protective equipment for firefighters.
In case of fire: Wear self-contained breathing apparatus.
Use water spray jet to protect personnel and to cool endangered containers.
Do not allow run-off from fire-fighting to enter drains or water courses.
Dispose according to legislation.
Evacuate area.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures


- For non-emergency personnel : Evacuate area.
Stay upwind/keep distance from source.
Provide adequate ventilation.
Use personal protective equipment as required.
Personal protection equipment: see section 8
Do not breathe vapour/spray.
Avoid contact with skin, eyes and clothes.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ensure that the equipment is adequately grounded.
Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
Use only non-sparking tools.
as appropriate :
Product may release Hydrogen Sulphide: A specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and waste water, and unintentional releases should be made to help determine controls appropriate to local circumstances.
- For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place.
Personal protection equipment: see section 8.

6.2. Environmental precautions

- Environmental precautions : Do not allow to enter into ground-water, surface water or drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Stop leak if safe to do so.
Dam up.
Clean-up methods - small spillage: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents), Collect in

 MERCURIA <small>MERCURIA ENERGY TRADING BV</small>	SAFETY DATA SHEET	Page : 5 / 12
		Revision nr : 1
	Gasoil	Issue date : 30/01/2015
		Supersedes :

closed and suitable containers for disposal.
 Clean-up methods - large spillage: Large spills should be collected mechanically (remove by pumping) for disposal., Collect in closed and suitable containers for disposal.
 Use foam on spills to minimise vapours.
 Site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.
 Dispose of waste product or used containers according to local regulations.

6.4. Reference to other sections

Personal protection equipment: see section 8
 Disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling :

- Provide adequate ventilation.
- Use personal protective equipment as required.
- Personal protection equipment: see section 8
- Do not breathe vapour/spray.
- Avoid contact with skin, eyes and clothes.
- Take any precaution to avoid mixing with incompatible materials.
- See also section 10
- Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time).
- Do not allow contact with soil, surface or ground water.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Ensure that the equipment is adequately grounded.
- Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
- Use only non-sparking tools.
- As appropriate :
- Product may release Hydrogen Sulphide: A specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and waste water, and unintentional releases should be made to help determine controls appropriate to local circumstances.


Advices on general occupational hygiene :

- Keep good industrial hygiene.
- Take off contaminated clothing.
- When using do not eat, drink or smoke.
- Keep work clothes separately.
- Wash contaminated clothing before reuse.
- Wash hands before breaks and immediately after using the product.
- Keep away from food, drink and animal feedingstuffs.

7.2. Conditions for safe storage, including any incompatibilities

Storage :

- Storage of flammable liquids
- Keep in a dry, cool and well-ventilated place.
- Do not store near or with any of the incompatible materials listed in section 10.
- Bund storage facilities to prevent soil and water pollution in the event of spillage.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Protect from sunlight.
- As appropriate :
- Product may release Hydrogen Sulphide: A specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and waste

 MERCURIA <small>MERCURIA ENERGY TRADING BV</small>	SAFETY DATA SHEET	Page : 6 / 12
		Revision nr : 1
	Gasoil	Issue date : 30/01/2015
		Supersedes :

Packaging materials : water, and unintentional releases should be made to help determine controls appropriate to local circumstances.

: Keep/Store only in original container.

Suitable material:
Stainless steel
Carbon steel

Unsuitable material:
synthetic material

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values :

Fuels, diesel (68334-30-5)		
Belgium	Limit value (mg/m ³)	100 mg/m ³ (aerosol and vapor)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	100 mg/m ³ (inhalable fraction and vapor)
Ireland	OEL (8 hours ref) (mg/m ³)	100 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	300 mg/m ³ (calculated)
Poland	NDS (mg/m ³)	0,5 mg/m ³ (respirable fraction stable particulates)

Recommended monitoring procedures : Room air monitoring
Personal air monitoring

8.2. Exposure controls

Personal protection equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Half-face mask (EN 140)
Full face mask (EN 136)
Filter type: ABEK/P (EN 141)
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. (EN 137)


Hand protection : Wear chemically resistant gloves (tested to EN374) ,Suitable material: NBR (Nitrile rubber) (BTT > 8 h, >0,3 mm),The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Eye protection : Use suitable eye protection. (EN 166): Goggles

Body protection : Wear suitable coveralls to prevent exposure to the skin.
Chemical protection clothing
Antistatic clothing
In case of large spillages:
Wear full chemical protective clothing.

Thermal hazard protection : Not required under normal use.
Use dedicated equipment.

Engineering control measures : Use only outdoors or in a well-ventilated area.
Organisational measures to prevent/limit releases, dispersion and exposure

 MERCURIA <small>MERCURIA ENERGY TRADING BV</small>	SAFETY DATA SHEET	Page : 7 / 12
		Revision nr : 1
	Gasoil	Issue date : 30/01/2015
		Supersedes :

Safe handling: see section 7
A washing facility/water for eye and skin cleaning purposes should be present.
Take precautionary measures against static discharges.
Ensure that the equipment is adequately grounded.
Store locked up.
Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Environmental exposure controls : Do not allow contact with soil, surface or ground water.
Comply with applicable Community environmental protection legislation.


SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	: liquid
Colour	: clear, yellow, brown
Odour	: petroleum hydrocarbon odour
Odour threshold	: No data available
pH	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: ≥ 60 °C (closed cup)
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable, liquid
Upper/lower flammability or explosive limits	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Density	: 0,84 g/cm ³ (at 15 °C)
Relative density	: No data available
Water solubility	: < 20 mg/l (at 20 °C)
Solubility in different media	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Explosive properties	: Not applicable The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.

9.2. Other information

No data available

 MERCURIA <small>MERCURIA ENERGY TRADING BV</small>	<h1>SAFETY DATA SHEET</h1>	Page : 8 / 12
		Revision nr : 1
	<h2>Gasoil</h2>	Issue date : 30/01/2015
		Supersedes :

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : Flammable liquid and vapour.
Reference to other sections: 10.4 & 10.5

10.2. Chemical stability

Stability : The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions : Vapours can form explosive mixtures with air.

10.4. Conditions to avoid

Conditions to avoid : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Safe handling: see section 7

10.5. Incompatible materials

Incompatible materials : Oxidising substances, Safe handling: see section 7

10.6. Hazardous decomposition products

Hazardous decomposition products : Burning produces noxious and toxic fumes. Reference to other sections: 5.2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Inhalation: Harmful if inhaled.

Fuels, diesel (68334-30-5)	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50/inhalation/4h/rat	4,6 mg/l/4h
ATE CLP (vapours)	4,6 mg/l/4h
ATE CLP (dust,mist)	4,6 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
pH: No data available

Serious eye damage/eye irritation : Not classified (Based on available data, the classification criteria are not met.)
pH: No data available

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met.)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met.)

Carcinogenicity : Suspected of causing cancer.


Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met.)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met.)

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : May be fatal if swallowed and enters airways.

Other information

 MERCURIA <small>MERCURIA ENERGY TRADING BV</small>	<h1>SAFETY DATA SHEET</h1>	Page : 9 / 12
		Revision nr : 1
	<h2>Gasoil</h2>	Issue date : 30/01/2015
		Supersedes :

Symptoms related to the physical, chemical and toxicological characteristics, For further information see section 4

SECTION 12: Ecological information

12.1. Toxicity

Toxicity : Toxic to aquatic life with long lasting effects.

Fuels, diesel (68334-30-5)	
LC50 fish 1	35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
NOEC (chronic)	(21d) 0,2 mg/l (Daphnia magna - OECD 211)

12.2. Persistence and degradability

Persistence and degradability : Readily biodegradable.
(Substance is complex UVCB.)

12.3. Bioaccumulative potential

Bioaccumulation : No data available
Substance is complex UVCB

Partition coefficient n-octanol/water : No data available

12.4. Mobility in soil

Mobility : No data available
Substance is complex UVCB

12.5. Results of PBT and vPvB assessment

PBT/vPvB data : This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

Other information :

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product waste: : Handle with care.
Do not allow contact with soil, surface or ground water.
Dispose of empty containers and wastes safely.
Safe handling: see section 7
Refer to manufacturer/supplier for information on recovery/recycling.
Recycling is preferred to disposal or incineration
If recycling is not possible, eliminate in accordance with local valid waste disposal regulations

Contaminated packaging : Never use pressure to empty container.
Do not pierce or burn, even after use.
Handle contaminated packages in the same way as the substance itself.
Dispose according to legislation.

List of proposed waste codes/waste designations in accordance with EWC : This material and its container must be disposed of as hazardous waste.
Waste codes should be assigned by the user based on the application for which the product was used.


SECTION 14: Transport information

14.1. UN number

UN number : 1202

14.2. UN proper shipping name

Proper Shipping Name : GAS OIL / DIESEL FUEL / HEATING OIL, LIGHT

 MERCURIA <small>MERCURIA ENERGY TRADING BV</small>	SAFETY DATA SHEET	Page : 10 / 12
		Revision nr : 1
	Gasoil	Issue date : 30/01/2015
		Supersedes :

Proper shipping name IATA/IMDG : GAS OIL / DIESEL FUEL / HEATING OIL, LIGHT

14.3. Transport hazard class(es)

14.3.1. Overland transport

Class(es) : 3 - Flammable liquid
Hazard identification number (Kemler No.) : 30
Classification code : F1
ADR/RID-Labels : 3 - Flammable liquid



14.3.2. Inland waterway transport (ADN)

Class (UN) : 3

14.3.3. Transport by sea

Class or Division : 3 - flammable liquids

14.3.4. Air transport

Class or Division : 3 - flammable liquids

14.4. Packing group

Packing group : III

14.5. Environmental hazards

Environmental hazards : N



Other information : ADN : N2.

14.6. Special precautions for user

Special precautions for user : No data available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information


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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006 :

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 : Gasoil

This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC. : none

 MERCURIA <small>MERCURIA ENERGY TRADING BV</small>	SAFETY DATA SHEET	Page : 11 / 12
		Revision nr : 1
		Issue date : 30/01/2015
	Gasoil	Supersedes :

Authorisations : Not applicable

15.1.2. National regulations

DE : WGK : 2
DE : German storage class (LGK) : LGK 3 - Flammable liquids
FR : Installations classées : 117x, 143x
NL : ABM : 6 - (A) Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
NL : NeR (Nederlandse emissie Richtlijn) : Organic substances in vapour or gaseous form

15.2. Chemical safety assessment

Chemical Safety Assessment : For this substance a chemical safety assessment has not been carried out.


SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Inhalation) : Acute toxicity (inhal.), Category 4
Aquatic Chronic 2 : Hazardous to the aquatic environment - chronic hazard category 2
Asp. Tox. 1 : Aspiration hazard, Category 1
Carc. 2 : Carcinogenicity, Category 2
Flam. Liq. 3 : Flammable liquids, Category 3
Skin Irrit. 2 : Skin corrosion/irritation, Category 2
STOT RE 2 : Specific target organ toxicity — Repeated exposure, Category 2
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.
R20 : Harmful by inhalation.
R38 : Irritating to skin.
R40 : Limited evidence of a carcinogenic effect.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 : Harmful: may cause lung damage if swallowed.
N : Dangerous for the environment
Xi : Irritant
Xn : Harmful

Key literature references and sources for data : LOLI

Abbreviations and acronyms : DNEL = Derived No Effect Level
DMEL = Derived minimal effect level
PNEC = Predicted No Effect Concentration
OEL-STEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
TWA = time weighted average
LC50 = Median lethal concentration
LD50 = Median lethal dose
LL50 = Median lethal level
EC50 = Median Effective Concentration
EL50 = Median effective level
ErC50 = EC50 in terms of reduction of growth rate
ErL50 = EL50 in terms of reduction of growth rate
NOEL = No-observed-effect level
NOEC = No observed effect concentration

	SAFETY DATA SHEET	Page : 12 / 12
		Revision nr : 1
	Gasoil	Issue date : 30/01/2015
		Supersedes :

NOELR = No observed effect loading rate
 NOAEC = No observed adverse effect concentration
 NOAEL = No observed adverse effect level
 EWC = European Waste Catalogue
 NA = Not applicable
 N.O.S. = Not Otherwise Specified
 VOC = Volatile organic compounds
 mg/kg BW = mg/kg bodyweight
 QSAR = Quantitative structure-activity relationship (QSAR)
 ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
 ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
 IATA = International Air Transport Association
 IMDG = International Maritime Dangerous Goods Code
 LEL = Lower Explosive Limit/Lower Explosion Limit
 UEL = Upper Explosion Limit/Upper Explosive Limit
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)
 ABM = Algemene beoordelingsmethodiek
 UVCB = Substance of unknown or variable composition, complex reaction products or biological material (UVCB)
 BTT = Breakthrough time (maximum wearing time)
 STOT = Specific Target Organ Toxicity

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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