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

### 1.1. Product identifier

Trade name/designation : Straight Run Gasoil  
 Chemical name : Distillates (petroleum), full-range straight-run middle  
 EC No : 272-341-5  
 CAS No. : 68814-87-9

### 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  
 Acute Tox. 4 (Inhalation) H332  
 STOT RE 2 H373  
 Asp. Tox. 1 H304  
 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.

Xn; R20  
 Xn; R65  
 N; R51/53  
 R66

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Full text of R-phrases: see section 16

## 2.2. Label elements

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

Hazard pictograms :



GHS02

GHS07

GHS08

GHS09

Signal word :

Danger

Hazard statements :

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H332 - Harmful if inhaled.

H373 - May cause damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements :

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.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/.

P331 - Do NOT induce vomiting.

Extra phrases :

EUH066 - Repeated exposure may cause skin dryness or cracking.

### 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
Distillates (petroleum), full-range straight-run middle	(CAS No.) 68814-87-9 (EC No) 272-341-5 (EC Index) -	100	R10 Xn; R65 R66 N; R51/53 Xn; R20

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), full-range straight-run middle	(CAS No.) 68814-87-9 (EC No) 272-341-5 (EC Index) -	100	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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

### 3.2. Mixtures

Not applicable

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## 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 : No adverse effects are expected. Repeated exposure may cause skin dryness or cracking. 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 : May cause damage to organs through prolonged or repeated exposure. (liver, Bone marrow, Spleen).

### 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

### 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

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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 (H<sub>2</sub>S),

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 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.

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

Packaging materials

- : Keep/Store only in original container.
- Suitable material:
- Stainless steel

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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 : Not applicable

**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) ,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  
 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.

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## 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	: $\geq 46$ °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	: 4 hPa (at 40 °C)
Vapour density	: No data available
Density	: 0,83 - 0,86 g/cm <sup>3</sup> (at 15 °C)
Relative density	: No data available
Water solubility	: No data available
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

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	: Flammable liquid and vapour. Reference to other sections: 10.4 & 10.5
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### 10.2. Chemical stability

Stability	: The product is stable under storage at normal ambient temperatures.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	: Vapours can form explosive mixtures with air.
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### 10.4. Conditions to avoid

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

<b>Distillates (petroleum), full-range straight-run middle (68814-87-9)</b>	
LD50/oral/rat	5000 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50/inhalation/4h/rat	1,72 mg/l/4h
ATE CLP (gases)	4500,000 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1,5 mg/l/4h

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met.)  
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 : Not classified (Based on available data, the classification criteria are not met.)

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

STOT-single exposure : Not classified

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**

Symptoms related to the physical, chemical and toxicological characteristics, Reference to other sections: 4.2

### **SECTION 12: Ecological information**

#### **12.1. Toxicity**

Toxicity : Toxic to aquatic life with long lasting effects.

#### **12.2. Persistence and degradability**

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



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### **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 : No data available

## **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  
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)**

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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**

Code: IBC : 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 : Straight Run Gasoil

40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. : Distillates (petroleum), full-range straight-run middle

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

Authorisations : Not applicable

**15.1.2. National regulations**

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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  
Flam. Liq. 3 : Flammable liquids, Category 3  
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.  
H332 : Harmful if inhaled.  
H373 : May cause damage to organs through prolonged or repeated exposure.  
H411 : Toxic to aquatic life with long lasting effects.  
R10 : Flammable.  
R20 : Harmful by inhalation.  
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 : Harmful: may cause lung damage if swallowed.  
R66 : Repeated exposure may cause skin dryness or cracking.  
N : Dangerous for the environment  
Xn : Harmful

Key literature references and sources for data : CSR

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  
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)

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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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