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

1.1 Product identifier
   Trade name : Sample Agent Chromeffekt Spray 750 ml 17-09011
   Product code : 08091407Z

1.2 Relevant identified uses of the substance or mixture and uses advised against
   This information is not available.

1.3 Details of the supplier of the safety data sheet
   Company : ECKART GmbH
              Guentersthal 4
              91235 Hartenstein
   Telephone : +499152770
   Telefax : +499152777008
   E-mail address of person responsible for the SDS : msds.eckart@altana.com

1.4 Emergency telephone number
   GBK Gefahrgut Büro GmbH, Ingelheim, Germany:
   From outside US: : (001) 352-323-3500
   (First call in English, response in your language is possible)
   US & Canada (toll free) : 1-800-5355-053

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
   Classification (REGULATION (EC) No 1272/2008)
   Flammable liquids, Category 2     H225: Highly flammable liquid and vapour.
   Skin irritation, Category 2      H315: Causes skin irritation.
   Eye irritation, Category 2       H319: Causes serious eye irritation.
   Specific target organ toxicity - single exposure, Category 3, Central nervous system
   H336: May cause drowsiness or dizziness.
   Specific target organ toxicity - single exposure, Category 3, Respiratory system
   H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2

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

Long-term (chronic) aquatic hazard, Category 3

H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Signal word : Danger

Hazard pictograms :

Hazard statements :

H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
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.

Response:
P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

acetone
xylene
butanone
n-butyl acetate

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Hazardous components**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Index-No.</th>
<th>Concentration (w/w)</th>
<th>Classification</th>
<th>SDS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>200-662-2</td>
<td>606-001-00-8</td>
<td>&gt;= 25 - &lt; 50</td>
<td>Flam. Liq.; H225 Eye Irrit.; H319 STOT SE 3; H336</td>
<td>102000000160</td>
</tr>
<tr>
<td>solvent naphtha (petroleum), light arom.</td>
<td>64742-95-6</td>
<td>918-668-5</td>
<td>01-2119455851-35</td>
<td>&gt;= 10 - &lt; 20</td>
<td>Flam. Liq.; H226 STOT SE 3; H336 STOT SE 3; H335 Asp. Tox. 1; H304 Aquatic Chronic 2; H411</td>
<td></td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>215-535-7</td>
<td>601-022-00-9</td>
<td>&gt;= 10 - &lt; 20</td>
<td>Flam. Liq.; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304</td>
<td></td>
</tr>
<tr>
<td>butanone</td>
<td>78-93-3</td>
<td>201-159-0</td>
<td>606-002-00-3</td>
<td>&gt;= 1 - &lt; 10</td>
<td>Flam. Liq.; H225 Eye Irrit. 2; H319 STOT SE 3; H336</td>
<td></td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>123-86-4</td>
<td>204-658-1</td>
<td>607-025-00-1</td>
<td>&gt;= 1 - &lt; 10</td>
<td>Flam. Liq.; H226 STOT SE 3; H336</td>
<td></td>
</tr>
<tr>
<td>aluminium powder (stabilised)</td>
<td>7429-90-5</td>
<td>231-072-3</td>
<td>013-002-00-1</td>
<td>&gt;= 1 - &lt; 10</td>
<td>Flam. Sol. 1; H228</td>
<td></td>
</tr>
</tbody>
</table>

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General advice:** Move out of dangerous area. Show this safety data sheet to the doctor in attendance.

**If inhaled:** Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.

In case of skin contact:
- If skin irritation persists, call a physician.
- If on skin, rinse well with water.
- If on clothes, remove clothes.

In case of eye contact:
- Immediately flush eye(s) with plenty of water.
- Remove contact lenses.
- Keep eye wide open while rinsing.
- If eye irritation persists, consult a specialist.

If swallowed:
- Keep respiratory tract clear.
- Do not give milk or alcoholic beverages.
- Never give anything by mouth to an unconscious person.
- If symptoms persist, call a physician.
- Take victim immediately to hospital.

### 4.2 Most important symptoms and effects, both acute and delayed
None known.

### 4.3 Indication of any immediate medical attention and special treatment needed
This information is not available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media
- Suitable extinguishing media:
  - Alcohol-resistant foam
  - Carbon dioxide (CO2)
  - Dry chemical
- Unsuitable extinguishing media:
  - High volume water jet

### 5.2 Special hazards arising from the substance or mixture
- Specific hazards during firefighting:
  - Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters
- Special protective equipment for firefighters:
  - Wear self-contained breathing apparatus for firefighting if necessary.
- Further information:
  - Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

**SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions**: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

**Environmental precautions**: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. 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**: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

**SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

**Advice on safe handling**

Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

**Advice on protection against fire and explosion**

Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only...
explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)
This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetone</td>
<td>67-64-1</td>
<td>TWA</td>
<td>500 ppm 1.210 mg/m³</td>
<td>2000/39/EC</td>
</tr>
<tr>
<td>Further information</td>
<td>Indicative</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Further information</td>
<td>Guiding list of organic solvents., The substance has an EC-limit value</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>TWA</td>
<td>50 ppm 221 mg/m³</td>
<td>2000/39/EC</td>
</tr>
<tr>
<td>Further information</td>
<td>Identifies the possibility of significant uptake through the skin, Indicative</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Further information</td>
<td>Guiding list of organic solvents., The substance has an EC-limit value</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>butanone</td>
<td>78-93-3</td>
<td>STEL</td>
<td>300 ppm 900 mg/m³</td>
<td>2000/39/EC</td>
</tr>
<tr>
<td>Further information</td>
<td>Indicative</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Further information Means that the substance can be absorbed through the skin.
Guiding list of organic solvents. The substance has an EC-limit value.

<table>
<thead>
<tr>
<th>Substance</th>
<th>End Use</th>
<th>Exposure routes</th>
<th>Potential health effects</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic</td>
<td>186 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>long term – systemic</td>
<td>1210 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Ingestion</td>
<td>long term – systemic</td>
<td>62 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Skin contact</td>
<td>long term – systemic</td>
<td>62 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Consumers</td>
<td>Inhalation</td>
<td>long term – systemic</td>
<td>200 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Inhalation</td>
<td>short term – local</td>
<td>2420 mg/m³</td>
</tr>
</tbody>
</table>

Sample Agent Chromeffekt Spray 750 ml 17-09011

Further information Guiding list of organic solvents.

aluminium powder (stabilised) 7429-90-5  GV (Dust) 0,5 mg/m³  DK OEL

Further information List of limit values for dust. Limit values for dust have been established for concentrations of total dust and for concentrations of respirable dust. Except for wood dust, Arbejdstilsynet has not established a limit value for inhalable dust (DS/EN 481 on inhalable dust).

<table>
<thead>
<tr>
<th>Substance</th>
<th>End Use</th>
<th>Exposure routes</th>
<th>Potential health effects</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium powder</td>
<td>Workers</td>
<td>Skin contact</td>
<td>long term – systemic</td>
<td>150 ppm</td>
</tr>
<tr>
<td>(stabilised)</td>
<td></td>
<td></td>
<td></td>
<td>710 mg/m³</td>
</tr>
<tr>
<td>Substance name</td>
<td>Environmental Compartment</td>
<td>Value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>---------------------------</td>
<td>-------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>acetone</td>
<td>Soil</td>
<td>29,5 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fresh water</td>
<td>10,6 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fresh water sediment</td>
<td>30,4 mg/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:
8.2 Exposure controls

Personal protective equipment

Eye protection : Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : silver

Odour : characteristic
Odour Threshold : No data available
pH : No data available
Freezing point : No data available
Boiling point/boiling range : 55 °C
Flash point : -19 °C
Evaporation rate : No data available
Flammability (solid, gas) : No data available
Self-ignition : No data available
Auto-ignition temperature : No data available
Smoldering temperature : No data available
Decomposition temperature : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Upper explosion limit / Upper flammability limit : No data available
Lower explosion limit / Lower flammability limit : No data available
Vapour pressure : No data available
Relative vapour density : No data available
Relative density : No data available
Density : ca. 0.86 g/cm³
Bulk density : No data available
Water solubility : No data available
Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : No data available
Decomposition temperature : No data available
Sample Agent Chromeffekt Spray 750 ml 17-09011

Viscosity
Viscosity, dynamic : No data available
Viscosity, kinematic : > 21 mm2/s (40 °C)
Flow time : 10 - 12 s at 20 °C
   Cross section: 4 mm
   Method: DIN 53211

9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
   No decomposition if stored and applied as directed.

10.2 Chemical stability
   No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions
   Hazardous reactions : No decomposition if stored and applied as directed.
   Vapours may form explosive mixture with air.

10.4 Conditions to avoid
   Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

10.6 Hazardous decomposition products
   Contact with water or humid air : This information is not available.
   Thermal decomposition : This information is not available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
   Acute toxicity
   Product:
   Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l
   Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:
acetone:
Acute oral toxicity : LD50 (Rabbit): 4.700 - 5.800 mg/kg
(Mouse): 3.000 mg/kg
(Rat): 9.800 mg/kg

Acute inhalation toxicity : LC50 (Rat): 76 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

solvent naphtha (petroleum), light arom.:
Acute oral toxicity : LD50 (Rat): 3.492 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 3.160 mg/kg

xylene:
Acute dermal toxicity : Acute toxicity estimate: 1.100 mg/kg
Method: Converted acute toxicity point estimate

butanone:
Acute oral toxicity : LD50 (Rat): 3.300 mg/kg

Acute inhalation toxicity : LC50 (Rat): 10.000 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD50 (Rabbit): 5.000 mg/kg

aluminium powder (stabilised):
Acute inhalation toxicity : LC50 (Rat): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Skin corrosion/irritation

**Product:**
Remarks: May cause skin irritation in susceptible persons.

**Components:**
- acetone:
  Remarks: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

Serious eye damage/eye irritation

**Product:**
Remarks: Eye irritation

**Components:**
- acetone:
  Remarks: Severe eye irritation
- xylene:
  Result: Eye irritation

Respiratory or skin sensitisation

**Components:**
- xylene:
  Assessment: Harmful in contact with skin or if inhaled.

STOT - single exposure

**Components:**
- solvent naphtha (petroleum), light arom.:  
  Assessment: May cause respiratory irritation., May cause drowsiness or dizziness.
- xylene:
  Assessment: May cause respiratory irritation.
- n-butyl acetate:  
  Assessment: May cause drowsiness or dizziness.
STOT - repeated exposure

**Components:**

**xylene:**
Assessment: May cause damage to organs through prolonged or repeated exposure.

**Components:**

**xylene:**

Aspiration toxicity

**Components:**

**solvent naphtha (petroleum), light arom.:**
May be fatal if swallowed and enters airways.

**xylene:**
May be fatal if swallowed and enters airways.

**Further information**

**Product:**
Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Concentrations substantially above the TLV value may cause narcotic effects.
Solvents may degrease the skin.

**SECTION 12: Ecological information**

12.1 Toxicty

**Components:**

**acetone:**
Toxicity to daphnia and other aquatic invertebrates: (Daphnia magna (Water flea)): 21.600 mg/l

**solvent naphtha (petroleum), light arom.:**

**Ecotoxicology Assessment**

Long-term (chronic) aquatic hazard: Toxic to aquatic life with long lasting effects.

**butanone:**
Toxicity to daphnia and other aquatic invertebrates: (Daphnia magna (Water flea)): 4.025 mg/l
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Sample Agent Chromeffekt Spray 750 ml 17-09011


12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
Components:
xylene:
Partition coefficient: n-octanol/water
: log Pow: 3.1 - 3.2

butanone:
Partition coefficient: n-octanol/water
: log Pow: 0.26 (20 °C)

n-butyl acetate:
Partition coefficient: n-octanol/water
: log Pow: 2.3

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Product:
Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects
Product:
Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

European Waste Catalogue : 16 05 04 - gases in pressure containers (including halons) containing dangerous substances

13.1 Waste treatment methods
Product : The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
In accordance with local and national regulations.

Contaminated packaging:
- Empty remaining contents.
- Dispose of as unused product.
- Do not re-use empty containers.
- Do not burn, or use a cutting torch on, the empty drum.
- In accordance with local and national regulations.

SECTION 14: Transport information

14.1 UN number
ADR: UN 1263
IMDG: UN 1263
IATA: UN 1263

14.2 UN proper shipping name
ADR: PAINT
IMDG: PAINT
IATA: Paint

14.3 Transport hazard class(es)
ADR: 3
IMDG: 3
IATA: 3

14.4 Packing group
ADR
Packing group: II
Classification Code: F1
Hazard Identification Number: 33
Labels: 3
Tunnel restriction code: (D/E)

IMDG
Packing group: II
Labels: 3
EmS Code: F-E, S-E

IATA (Cargo)
Packing instruction (cargo aircraft): 364
Packing instruction (LQ): Y341
Packing group: II
Labels: Flammable Liquids

IATA (Passenger)
Sample Agent Chromeffekt Spray 750 ml 17-09011

### Packing instruction
- (passenger aircraft): 353
- (LQ): Y341
- Packing group: II
- Labels: Flammable Liquids

### Environmental hazards

**ADR**
- Environmentally hazardous: no

**IMDG**
- Marine pollutant: no

### Special precautions for user
Not applicable

### Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable for product as supplied.

### Regulatory information

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

- **REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):** Not applicable
- **Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:** Not applicable
- **Regulation (EC) No 850/2004 on persistent organic pollutants:** Not applicable
- **Volatile organic compounds:** Directive 2004/42/EC
  - Volatile organic compounds (VOC) content: 79.76 %, 685.97 g/l

### Chemical safety assessment

### Other information

#### Full text of H-Statements

- **H225:** Highly flammable liquid and vapour.
- **H226:** Flammable liquid and vapour.
- **H228:** Flammable solid.
- **H304:** May be fatal if swallowed and enters airways.
- **H312:** Harmful in contact with skin.
H315  :  Causes skin irritation.
H319  :  Causes serious eye irritation.
H332  :  Harmful if inhaled.
H335  :  May cause respiratory irritation.
H336  :  May cause drowsiness or dizziness.
H373  :  May cause damage to organs through prolonged or repeated exposure.
H411  :  Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox.</td>
<td>Acute toxicity</td>
</tr>
<tr>
<td>Aquatic Chronic</td>
<td>Long-term (chronic) aquatic hazard</td>
</tr>
<tr>
<td>Asp. Tox.</td>
<td>Aspiration hazard</td>
</tr>
<tr>
<td>Eye Irrit.</td>
<td>Eye irritation</td>
</tr>
<tr>
<td>Flam. Liq.</td>
<td>Flammable liquids</td>
</tr>
<tr>
<td>Flam. Sol.</td>
<td>Flammable solids</td>
</tr>
<tr>
<td>Skin Irrit.</td>
<td>Skin irritation</td>
</tr>
<tr>
<td>STOT RE</td>
<td>Specific target organ toxicity - repeated exposure</td>
</tr>
<tr>
<td>STOT SE</td>
<td>Specific target organ toxicity - single exposure</td>
</tr>
<tr>
<td>DK OEL</td>
<td>Denmark. Occupational Exposure Limits</td>
</tr>
<tr>
<td>2000/39/EC / TWA</td>
<td>Limit Value - eight hours</td>
</tr>
<tr>
<td>2000/39/EC / STEL</td>
<td>Short term exposure limit</td>
</tr>
<tr>
<td>DK OEL / GV</td>
<td>Long term exposure limit</td>
</tr>
</tbody>
</table>

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council.
Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.