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

1.1 Product identifier

Trade name: Compact Dry X-BC
Article number: 1070

Registration number
A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

No further relevant information available.

Application of the substance / the preparation
Laboratory chemical

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Carl Roth GmbH + Co.KG
Schoemperlenstraße 3-5
76185 Karlsruhe
Germany
Telefon: +49/(0)721 5606-0   Telefax: +49/(0)721 5606-149         e-mail: sicherheit@carlroth.de

Further information obtainable from: Department Health, Safety and Environment

1.4 Emergency telephone number:

Poison Centre Munich                                      Telefon   +49/(0)89 19240

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC
Void

Information concerning particular hazards for human and environment:
This product is not hazardous according to EEC directives 67/548/EEC and 1999/45/EC.

Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
This product is not hazardous according to EEC directives 67/548/EEC / 1999/45/EC or regulation (EC) No 1272/2008.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
Void

Hazard pictograms
Void

Signal word
Void

Hazard statements
Void

Additional information:
-

2.3 Other hazards
All chemicals are potentially dangerous. They are therefore only be handled by specially trained personnel with the necessary care.

Results of PBT and vPvB assessment
PBT: Not applicable.

(Contd. on page 2)
3 Composition/information on ingredients

3.2 Chemical characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.
Dangerous components: Void
Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

4.1 Description of first aid measures
General information:
No special measures required.

After inhalation:
Inhalation is unlikely to occur.

After skin contact:
Rinse with water
If skin irritation continues, consult a doctor.

After eye contact:
Eye contact is unlikely to occur.

After swallowing:
Ingestion is unlikely to occur.

4.2 Most important symptoms and effects, both acute and delayed
We have no description of any toxic symptoms.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
Use fire extinguishing methods suitable to surrounding conditions.
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:
For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture
In the event of fire development of hazardous combustion gases or vapours possible.
In case of fire, the following can be released:
Nitrogen oxides (NOx)
Sulphure oxides (SOx)
Carbon monoxide and carbon dioxide

(Contd. of page 1)
6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective clothing.
Avoid formation of dust.
Do not breathe dust.

6.2 Environmental precautions
Do not allow to enter sewers/ground water or penetrate the soil.

6.3 Methods and material for containment and cleaning up
Pick up mechanically.
Dispose of the material collected according to regulations.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

7.1 Precautions for safe handling
No special precautions are necessary if used correctly.

Information about fire - and explosion protection:
No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:
Requirements to be met by storerooms and receptacles:
No special requirements.

Information about storage in one common storage facility:
Store away from foodstuffs.

Further information about storage conditions:
Protect from heat and direct sunlight.
Protect from exposure to the light.

Recommended storage temperature: 15 - 25 °C

7.3 Specific end use(s)
No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities:
No further data; see item 7.
Trade name: Compact Dry X-BC

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:
The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not breathe dust.

Individual protection measures
Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Respiratory protection:

Particle filter required when dusts are generated.
Filter P1 (colour code: white)

Protection of hands:

Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves
Nitrile, thickness: ≥ 0.11 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material
Value for the permeation: Level ≥ 6
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

As protection from splashes gloves made of the following materials are suitable:
Nitrile rubber, thickness: ≥ 0.11 mm
Value for the permeation: Level ≥ 6
### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

**General Information**

**Appearance:**
- **Form:** Gel
- **Colour:** Light yellow
- **Odour:** Odourless
- **Odour threshold:** No information available.

**pH-value:** 6.8-7.2

**Change in condition**
- **Melting point/Melting range:** No information available.
- **Boiling point/Boiling range:** No information available.

**Flash point:** No information available

**Flammability (solid, gaseous):** No information available

**Ignition temperature:** No information available

**Decomposition temperature:** No information available

**Self-igniting:** No information available

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**
- **Lower:** No information available.
- **Upper:** No information available.

**Oxidizing properties:** No information available

**Vapour pressure:** No information available

**Density:**
- **Relative density** No Information available.
- **Vapour density** No information available
- **Evaporation rate** No information available

**Solubility in / Miscibility with water:** Swelling.

**Partition coefficient (n-octanol/water):** No information available

**Viscosity:**
- **Dynamic:** No information available.
- **Kinematic:** No information available.
10 Stability and reactivity

10.1 Reactivity
See section 10.3

10.2 Chemical stability
Thermal decomposition / conditions to be avoided:
No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions
Strong reaction possible with:
Strong oxidants
strong reducing agents
With alkali metals: release of hydrogen, risk of explosion

10.4 Conditions to avoid
Strong Heating. (decomposition)
Exposure to light

10.5 Incompatible materials:
No information available.

10.6 Hazardous decomposition products:
In case of fire: see item 5.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:
LD/LC50 values relevant for classification:
Quantitative data on the toxicity of this product are not available.

Specific symptoms in biological assay:
No information available.

Primary irritant effect:
on the skin:
No information available.
on the eye:
No information available.
after inhalation:
No information available.

Sensitization:
No sensitizing effects known.

CMR effects:
Germ cell mutagenicity:
No information available.
Carcinogenicity:
No information available.
Reproductive toxicity:
No information available.
Aspiration hazard:
No information available.

**Specific target organ toxicity - single exposure**
The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Specific target organ toxicity - repeated exposure**
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**Further information:**
The product should be handled with the care usual when dealing with chemicals.

### 12 Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:**
Quantitative data on the ecological effect of this product are not available.

#### 12.2 Persistence and degradability

No further relevant information available.

#### 12.3 Bioaccumulative potential

No further relevant information available.

#### 12.4 Mobility in soil

No further relevant information available.

**Ecotoxicological effects:**

**Remark:**
Do not allow to enter waters, waste water, or soil!

#### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

#### 12.6 Other adverse effects

No further relevant information available.

### 13 Disposal considerations

**Waste treatment methods**

**Recommendation**
The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

**Uncleaned packaging:**

**Recommendation:**
Disposal according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.
14 Transport information

| 14.1 UN-Number | ADR, ADN, IMDG, IATA | Void |
| 14.2 UN proper shipping name | ADR, ADN, IMDG, IATA | Void |
| 14.3 Transport hazard class(es) | ADR, ADN, IMDG, IATA | Void |
| Class | Void |
| 14.4 Packing group | ADR, IMDG, IATA | Void |
| 14.5 Environmental hazards: | Marine pollutant: | No |
| 14.6 Special precautions for user | Not applicable. |
| 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| UN "Model Regulation": | - |

15 Regulatory information

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

National regulations:

Information about limitation of use: Employment restrictions concerning juveniles must be observed.

Breakdown regulations:
- Waterhazard class:
  Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment
A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS: Department: Health, Safety and Environment

Contact: Herr Dr. Hagel

Abbreviations and acronyms:
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
| LD50: Lethal dose, 50 percent |
|LD50*: Lethal Dose, 50 percent (Not relevant for classification) |
|LD50*: Lethal Concentration, 50 percent (Not relevant for classification) |