1 Identification of the substance

Identification of the substance
RAD 140

Additional identification
2-Chloro-4-[[1R,2S]-1-[5-(4-cyanophenyl)-1,3,4-oxadiazol-2-yl]-2-hydroxypropyl]amino]-3-methyl-benzonitrile

Biosynth catalog no.
FR159306

REACH No.
A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

Use of the substance/preparation

Identified uses
other biochemicals

Restriction on use
not for food or drug use, for laboratory use only

Company
Carbosynth Ltd
8&9 Old Station Business Park
GB-COMPTON RG20 6NE

Phone
+44 1635 578444

Mail
customerservice@biosynth-carbosynth.com

Emergency Number
Phone
+44 1635 578444 office hours

2 Hazards identification

Environmental Hazards
not classified

Health Hazards
not classified

Physical Hazards
not classified

GHS Labeling

Regulatory List
EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Precautionary Statement
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 Do not get in eyes, on skin, or on clothing.

Additional Information
Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

3 Composition/information on ingredients
4 First aid measures

**First Aid: Eye**
Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**First Aid: Skin**
Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

**First Aid: Ingestion**
Wash out mouth with water provided person is conscious. Call a physician.

**First Aid: Inhalation**
Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

**Hints for Physician: Treatment**
Treat symptomatically.

5 Firefighting measures

**Extinguishing Media**
- Suitable: foam, dry extinguishing powder, carbon dioxide (CO2), water spray jet

**Hazards During Fire-Fighting**
- toxic fumes

**Protective Equipment for Fire-Fighting**
Wear a self-contained breathing apparatus and chemical protective clothing.

**Fire-Fighting/Further Advice**
Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6 Accidental release measures

**Personal Precautions**
Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

**Environmental Precautions**
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

**Methods for Cleaning or Taking Up**
not available

**Further Accidental Release Measures**
Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.
7 Handling and storage

Handling
Handling advice
Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

Storage
Storage temperature
store at -15°C

Storage condition
close container well

Storage Requirements
Warm to Room Temperature before use. Keep away from incompatible substances. Keep container tightly closed when not in use.

8 Exposure controls/personal protection

Exposure controls
Industrial Hygiene
Mechanical exhaust required. Safety shower and eye shower.

Personal Protective Equipment
Respiratory Protection
Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Hand Protection
Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection
Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling
Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

9 Physical and chemical properties

Form
powder

Phase Transition Solid/Liquid
181 °C

Molar Mass
393.83 g/mol

10 Stability and reactivity

Conditions to Avoid
incompatible materials

Substances to Avoid
strong oxidizers

Decomposition Products
nitrogen oxides (NOx), carbon dioxide (CO2), hydrogen chloride (HCl), carbon monoxide
11 Toxicological information
Other Relevant Toxicity Information
We are not aware of any toxicology data.

12 Ecological Information
Biodegradation
no data available

Bioaccumulation
no data available

Distribution in Environment
no data available

13 Disposal considerations
Advice on Disposal and Packaging

Advice on Disposal
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

Advice on Packaging
not available

14 Transport information
Road Transport (ADR/GGVS)
not regulated

Air Transport (IATA)
not regulated

15 Other regulations
Other Regulations
not available

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16 Additional information
GHS Labeling

Regulatory List
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