

OPERATIONAL INSTRUCTION

according to § 20 GefStoffV (Germany)

RADORA-B CLEANÄTZ

Material number R001

SÜDDEUTSCHE
RADORA
ERZEUGNISSE

Field of activity:

Date of print: 19/1/2023
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Hazard to man and environment



Danger

H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

Preventive measures and rules of conduct



P234

P260

P262

P264

P280

P301+P330+P331

P303+P361+P353

P305+P351+P338

P310

Keep only in original container.

Do not breathe fume/gas/mist/vapours/spray.

Do not get in eyes, on skin, or on clothing.

Wash hands and face thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

The substance should only be handled in closed apparatus or systems.

Execute works under fume hood. Avoid generation of vapours/aerosols.

Provide good ventilation and/or an exhaust system in the work area.

Avoid contact with skin and eyes. When using do not eat, drink or smoke. Take off immediately all contaminated clothing and wash it before reuse. After work, wash hands and face. Safety shower and eye wash station should be easily accessible to the work area.

Respiratory protection:

Respiratory protection must be worn whenever the WEL levels have been exceeded.

Use filter type E-P2/P3 according to EN 14387. Carry along escape equipment (self rescuer).

Have a breathing apparatus that is not dependent on the circulating air ready for emergencies.

Hand protection:

protective gloves according to EN 374.

Glove material: Fluororubber (Viton) (0.4 mm).

Breakthrough time: \geq 480 min.

By short-term hand contact Butyl caoutchouc (butyl rubber) (0.5 mm, max. 240 min).

Unsuitable materials: natural rubber, Nitrile rubber.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time. Protective gloves have to be replaced at the first sign of deterioration.

Eye protection:

Tightly sealed goggles according to EN 166 or face protection shield.

Body protection:

Acid-proof protective clothing, rubber boots



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Reaction in case of danger

Keep unprotected people away.

Remove persons not involved upwind.

On demand: Wear a self-contained breathing apparatus and chemical protective clothing.

Avoid contact with the substance. Do not breathe vapours.

Plug leak if safely possible.

Take off immediately all contaminated clothing and wash it before reuse.

Extinguishing media:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Accidental release measures:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal. Render harmless: Treat with a mixture of lime in sodium carbonate solution (precipitation as calcium fluoride).

In case of spills of large quantities: Contact expert.

First aid

General information:

First aider: Pay attention to self-protection! Suitable protective clothing.
Consult immediately first-aid doctor. Symptoms may occur with delay.
No mouth-to-mouth or mouth-to-nose artificial respiration.
Take off immediately all contaminated clothing and wash it before reuse.
Put victim at rest and keep warm.



In case of inhalation:

Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Seek medical attention immediately. Keep airway open. If victim is at risk of losing consciousness, position and transport on their side.

Following skin contact:

Rinse with plenty of water for at least 10 minutes. Call a physician in any case!
Apply calcium gluconate gel and massage into the skin until the pain subsides, rinse with water and apply fresh gel. Continue gel therapy for at least another 15 minutes after pain has subsided. Preparation Ca-gluconatgel: boil 5 g of calcium gluconate in 85 ml of hot distilled water, add 10 g glycerol and allow 5 g of Tylose C600 to swell in the hot solution. Keep in a cool place. Shelf life: 6 months).
If no Ca-gluconate gel is available, apply several dressings thoroughly moistened with calcium gluconate solution 20%.

After eye contact:

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.

After swallowing:

Immediately get medical attention. Do not induce vomiting!
Caution: Risk of perforation in case of vomiting!
Immediately give victim repeatedly drink plenty of water, add calcium (as calcium gluconate or calcium lactate).
As a laxative, affected person should drink sodium sulfate (1 tablespoon in 1/4 L water).

Appropriate disposal

Waste key number

06 01 03*

Hydrofluoric acid

* = Evidence for disposal must be provided.

Product:

Neutralize larger quantities with lime or other alkalis. Dispose of in accordance with local, state, and federal regulations. Dispose of waste according to applicable legislation.

Waste key number (EU)

15 01 02

Plastic packaging

Contaminated packaging:

Dispose of waste according to applicable legislation.
Handle contaminated packages in the same way as the substance itself.