

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 11.06.2010

Revision: 11.06.2010

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

- **Product details**

- **Trade name:** **BIO 3010**

- **Article number:** 161220

- **Application of the substance / the preparation**

Cleaning agent of bitumen
Bitumen remover
Used pure

- **Manufacturer/Supplier:**

VEGETAL BIOTEC
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60600 CLERMONT



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- **Information in case of emergency:**

2 Hazards identification

- **Hazard description:** Not applicable.

- **Information concerning particular hazards for human and environment:**

Not applicable.

3 Composition/information on ingredients

- **Description:** Composition of substances non-classified as dangerous materials

- **Dangerous components:**

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4 First aid measures

- **General information:** No special measures required.

- **After inhalation:** Not concerned

- **After skin contact:** Immediately rinse with water.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:** Seek medical advice.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Foam
Water spray
Fire-extinguishing powder

- **For safety reasons unsuitable extinguishing agents:**

Water with full jet

- **Protective equipment:**

In case of fire close to the product :
Wear self-contained respiratory protective device.
Wear fully protective suit.

- **Additional information**

Cool endangered receptacles with water spray.

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6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Suitable material for receptacles: steel or stainless steel, HDPE, HDPP, teflon.
- **Information about storage in one common storage facility:** No special measures required.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before drinking, eating or smoking.
- **Respiratory protection:** Not required.
- **Protection of hands:** No chemical-protective gloves required.
- **Eye protection:** Wear protective glasses in case of risk of projection.

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	Light yellow
Odour:	Weak, characteristic

· Change in condition

Boiling point/Boiling range:	> 250°C
Solidification point:	-4°C

Flash point:	185°C
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· Self-igniting:	> 300°C
· Explosion limits:	
Lower:	non explosible Vol %
Upper:	non explosible Vol %
· Vapour pressure:	< 0,01 KPa à 20°C < 0,01 KPa à 50°C
· Density at 25°C:	0.862 g/cm ³
· Solubility in / Miscibility with water:	Miscible
· Viscosity:	
Kinematic at 40°C:	5 mm ² /s
· Solvent content:	
VOC (EC)	0.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Materials to be avoided:** No dangerous reactions known.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** Carbon monoxide and carbon dioxide, above 300°C

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:** DL 50 (oral, rat) > 6000 mg/kg
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
(OECD 404 - Rabbit)
- **on the eye:** No irritating effect.
(OECD 405 - Rabbit)
- **Sensitization:** No sensitizing effect
(OECD 406 - Guinea pig)
- **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.

12 Ecological information

- **Information about elimination (persistence and degradability):** OCDE 301B :
> 94% / 28 days
Easily biodegradable
OCDE 302 C :
Totally biodegradable

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- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:** Does not accumulate in organisms
- **Ecotoxicological effects:**
- **Acquatic toxicity:**
 - Fish (brachydanio rerio) : EC50(96h) > 100000 mg/L (OECD 203)
 - Daphnies (daphnia magna) : EC50(48h) > 3000 mg/L (OECD 202)
 - Algae (scenedesmus subspicatus) : EC50(72h) > 100000 mg/L (OECD 201)
 - Bacteria (pseudomonas putida) : EC 0(30min) > 10000 mg/L (DIN 38412)
- **Additional ecological information:**
- **General notes:** Negative ecological effects are, according to the current state of knowledge, not expected.

13 Disposal considerations

- **Product:**
- **Recommendation** Send to an approved waste facility.
- **Uncleaned packaging:**
- **Recommendation:** Send to an approved waste facility.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** Not concerned
- **Maritime transport IMDG:**
- **IMDG Class:** Not concerned
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** Not concerned

15 Regulatory information

- **Labelling according to EU guidelines:**
 - This product does not contain dangerous substances
 - This product is not identified as a dangerous good thanks to the European Régulation

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.

Shelf-life : 36 months from the date it was manufactured.