

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 3100**

- **Article number:** 161287

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

Cleaning agent of bitumen
Bitumen remover

- **Manufacturer/Supplier:**

VEGETAL BIOTEC
22, Rue du Chatellier
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.
Restricted to professional users.

3 Composition/information on ingredients

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

- **Dangerous components:** Void

4 First aid measures

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

- **After inhalation:** Not concerned in usual conditions of use

- **After skin contact:** Wash with water and soap.

- **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:** Store in sealed drums.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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.
VME : -
VLE : -
- **Additional information:** The lists valid during the making were used as basis.
- **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:	Amber coloured

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Odour:	Weak, characteristic
· Change in condition	
Boiling point/Boiling range:	> 240°C
Solidification point:	-2°C
· Flash point:	185°C
· Self-igniting:	> 300°C
· Explosion limits:	
Lower:	Non explosible Vol %
Upper:	Non explosible Vol %
· Vapour pressure:	< 0,01 KPa @ 20°C < 0,01 KPa @ 50°C
· Density at 25°C:	0.895 g/cm ³
· Solubility in / Miscibility with water:	Insoluble.
· 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:**
- 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:** The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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12 Ecological information

- **Information about elimination (persistence and degradability):** OCDE 301B :
> 94% / 28 days
Easily biodegradable
OCDE 302 C :
Totally biodegradable
- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:** Does not accumulate in organisms
- **Ecotoxic effects:**
- **Aquatic 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

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· **Special labelling of certain preparations:**

Restricted to professional users.

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.

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

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