

# EC Safety Data Sheet (1907/2006/EC)

## FORECOURT BIO



Oil, Diesel and Gasoline Spill Cleaner

Version: 1.1  
Reviewed on: 17.11.2011

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

<b>Trade name</b>	FORECOURT BIO
<b>REACH registration</b>	Preparation according to REACH Regulation (EC) No. 1907/2006.
<b>Use</b>	Oil, diesel and gasoline spill cleaner
<b>Supplier</b>	RAW Handel und Beratungs GmbH Grünstraße 5 D-79232 March-Hugstetten Phone +49 (0) 7665 / 934 29 - 0 Fax +49 (0) 7665 / 934 29 - 25 These numbers will only be staffed during office hours.
<b>Responsible person</b>	Mr J. Wittstock, Phone +49 (0) 7665 / 934 29 - 0 This number will only be staffed during office hour
<b>Qualified person</b>	Dipl.-Ing. (TU) M. Fischer, Phone +49 (0) 7665 / 934 29 - 17 This number will only be staffed during office hours E-mail: <a href="mailto:sdb@raw-vertrieb.de">sdb@raw-vertrieb.de</a>
<b>Emergency information (24 h)</b>	Poison Information Center in Bonn, Phone +49 (0) 228 / 19240

### 2. HAZARD IDENTIFICATION

The preparation is classified as dangerous in the sense of 1999/45/EC.

The preparation is subject to labelling. Please observe the information of this Safety Data Sheet.

**Hazard symbol:** X<sub>i</sub>  
**Hazard warning label:** Irritant

#### Particular risks for humans and the environment:

- Fire/Explosion hazard** (stability, flammability, combustion products):  
The product is not classified as flammable or combustible (the material is water-based).
- Health hazards** (inhalation, ingestion, skin or eye contact):  
Irritating to the eyes. Prolonged or repeated exposition may lead to sensitisation. As with all surface active chemicals, avoid prolonged skin contact. The product is non-volatile and aqueous-based so that inhalation risk is minimal.
- Environmental hazards:**  
Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### Chemical characterisation:

Aqueous cleaning suspension composed of bacteria cultures, nutrients, enzymes, organic solvents and surfactants.

#### Hazardous ingredients:

Designation	EINECS	CAS No.	Conc. wt. %	Hazard symbol	R phrases	REACH
Orange terpene	232-433-8	8028-48-6	10 - 30	Xn	R10, 38, 43, 52/53, 65	Pre-registered – Date of registration: 30.11.2010
Dodecylbenzene sulfonic acid in combination with isopropylamine 1:1	247-556-2	26264-05-1	0 - 5	Xn	R22,38,41	Pre-registered – Date of registration: 30.11.2010
Alcohol ethoxylate	Polymer	68439-45-2	0 - 5	Xn	R22,41	Pre-registered – Date of registration: 31.05.2018
(2-methoxymethyl-ethoxy) propanol	252-104-2	34590-94-8	0 - 5	-	-	Pre-registered – Date of registration: 30.11.2010

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#### 4. FIRST AID MEASURES

**After inhalation:** Low risk in normal usage. Remove the affected person to fresh air. Allow to rest and keep warm.

**After skin contact:** Wash affected area thoroughly with water. Remove contaminated clothing and launder before reuse.

**After eye contact:** Remove contact lenses. Rinse with plenty of clean water. If irritation persists seek medical advice.

**After ingestion:** Do not swallow. If swallowed rinse mouth with water – drink large amounts of water and seek medical advice.

#### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Since the product is not combustible or flammable, if involved in a fire, use extinguishing media appropriate to the source of fire.

**Protective equipment for fire-fighters:** Employ a self-contained breathing apparatus. Wear protective clothing.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**  
Mark out the area of accidental release with signs and prevent access to unauthorised people.

**Environmental measures:**  
Prevent discharge of concentrate to drain or water courses.

**Procedure for picking up/cleaning:**  
Disperse small spillages with large excess of water. Large spillages – contain, absorb and pick up, place in sealed containers for proper disposal. Wash down traces with excess of water.

#### 7. HANDLING AND STORAGE

**Handling:** No special measures are required.

**Storage:** May be stored for periods up to 24 months in plastic containers as supplied. Protect from frost and heat.

**Specific applications:** In industrial washing machines, it is normally used at concentrations between 1 and 5% and at temperatures between 30 and 40°C.

#### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Additional information on engineering controls:** See section 7.  
**Constituents with workplace-related limits to be monitored:**

Substance	Concentration	8 hour Time Weighted Average (TWA)	15 min Short Term Exposure Limit (STEL)
(2-methoxymethylethoxy) propanol	0 → 1%	50ppm / 308mg/m <sup>3</sup>	-

**Engineering controls:** Provide eyewash station.

**Personal protective equipment:**

**Respiratory protection:** It is not usually required.

**Hand protection:** Use protective gloves made of neoprene or nitrile.

**Eye protection:** Wear safety glasses.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

General/Appearance/Odour:	Turbid, white liquid
pH value:	6 – 7,5
Boiling point:	approx. 100°C (water-based)
Flash point:	None measurable
Flammability (solid, gas):	Not applicable
Explosion hazard:	None known
Oxidation properties:	Merely bacterial oxidation
Vapour pressure 20°C:	Essentially water vapour
Density at 20°C:	0,97 – 0,99
Solubility in water at 20°C:	Completely soluble
Viscosity mPas:	< 60
Vapour density:	Like water
Evaporation rate:	Like water
Other information:	Shelf life longer than 1 year (see section 7)

#### 10. STABILITY AND REACTIVITY

<b>Conditions to avoid:</b>	Overheating and heavy frost.
<b>Materials to avoid:</b>	No hazardous reactions known.
<b>Hazardous decomposition products:</b>	No typically dangerous decomposition products known.

#### 11. TOXICOLOGICAL INFORMATION

##### Toxicokinetics, metabolism and distribution:

##### Acute harmful health effects:

**Respiratory:** Not likely to occur (product is water-based).

**Skin:** Prolonged or repeated skin contact may lead to sensitisation.

**Eye:** Irritating to eyes.

**Ingestion:** Low acute toxicity. May cause irritation to mucous membranes in mouth, throat, stomach and intestinal canal.

##### Toxicological data (for individual components):

Component	Acute toxicity
Dodecylbenzene sulfonic acid, in combination with isopropylamine 1:1	LD <sub>50</sub> oral (rat): > 2000 mg/kg
Orange terpene	LD <sub>50</sub> oral (rat): 4400 mg/kg
Alcohol ethoxylate	Oral: 200 < LD <sub>50</sub> < 2000 mg/kg Dermal: LD <sub>50</sub> > 2000 mg/kg Inhalation: LC <sub>50</sub> > 5 mg/L

**Sensitisation:** May act as sensitiser in certain persons.

**Repeated-dose toxicity:** No data available.

**CMR (carcinogenic, mutagenic or toxic for reproduction) effects:** None known.

#### 12. ECOLOGICAL INFORMATION

##### Ecotoxicity (for individual components):

Component	Acute toxicity
Orange terpene	EC50 Daphnia magna: 12,3 mg/L
Alcohol ethoxylate	Fish: 1 < LC50 < 10 mg/L Daphnia: 1 < LC50 < 10 mg/L Algae: 1 < LC50 < 10 mg/L

**Mobility:** No mobility in soil and sediments is expected.

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#### 12. ECOLOGICAL INFORMATION (continuation)

**Persistence and degradability:** Biodegradable  
**Bioaccumulation potential:** No bioaccumulation is expected. The product is biodegradable and water-soluble.  
**PBT assessment:** Low risk  
**VOC content:** < 20 %

#### 13. DISPOSAL CONSIDERATIONS

**Product** If reuse or recycling is not possible: Disposal in accordance with the Waste Recycling and Management Law (KrW-/AbfG).

#### 14. TRANSPORT INFORMATION

**Land (ADR/RID):** No dangerous good in the sense of these transport regulations.  
**Inland waterway (ADN/ADNR):** No dangerous good in the sense of these transport regulations.  
**Sea ship (IMDG):** No dangerous good in the sense of these transport regulations.  
**Air (ICAO-TI / IATA-DGR):** No dangerous good in the sense of these transport regulations.

#### 15. REGULATORY INFORMATION

##### Labelling in accordance with EC Directives:

**Hazard symbol:** Xi  
**Hazard warning label:** Irritant

##### R phrases

R36/38 Irritating to skin and eyes.

##### S phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of water.

##### R phrases: (For the components mentioned in section 3, if they are supplied as concentrates.)

R10 Flammable

R22 Harmful if swallowed.

R36/38 Irritating to skin and eyes.

R41 Risk of serious damage to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

##### Occupational health and safety regulations

Regulations for the prevention of industrial accidents of the employers' liability insurance associations and Technical Rules for Hazardous Substances.

#### 16. OTHER INFORMATION

The information given above is based on our present level of knowledge and does not constitute an assurance of properties. No claim is made to exhaustiveness. The information should only be considered a general guideline. Existing laws and regulations must be observed by the recipients of our product at their own responsibility. The company cannot be held responsible for damage resulting from the use of the product.