

# SAFETY DATA SHEET

## Bin fresh

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

**Identification of the substance or preparation**

**Product name** : Bin fresh  
**Product use** : Eliminates annoying stench originating from both rotting vegetable, fruit and garden waste as well as other organic waste.

**Company/undertaking identification**

**Manufacturer** : HG International b.v. **Telephone No.:** : +31 (0)36 54 94 700  
**Address** : Damsluisweg 70 **Fax** : +31 (0)36 54 94 744  
 1332 EJ Almere **Internet:** : www.hginternational.com  
**Country** : Netherlands  
**Importer** : HG UK  
**Address** : Unit 11 Grange Way Business Park Whitehall Road Industrial Estate  
 Uk Colchester Essex CO2 8HF  
**Telephone No.:** : +44.1206.795.200  
**Fax** : +44.1206.795.201  
**Country** : United Kingdom (UK)

### 2. Composition/information on ingredients

**Substance/preparation** : Preparation

Ingredient name	CAS number	EC Number	%	Classification
<b>United Kingdom (UK)</b> propan-2-ol	67-63-0	200-661-7	15 - 30	F; 11 Xi; 36 67
Alkyl ether carboxylic acid	27306-90-7	polymeric	1 - 5	Xi; 38, 41
Sodium octyl sulfate	142-31-4	205-535-5	1 - 5	Xi; 38, 41
2,6-octadienenitrile, 3,7-dimethyl-	5146-66-7	225-918-0	0 - 1	Xn; 68 N; 51/53

See section 16 for the full text of the R Phrases declared above

\* Occupational Exposure Limit(s), if available, are listed in Section 8

### 3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : R10  
 Xi; R36  
 R43, 67  
**Physical/chemical hazards** : Flammable.  
**Human health hazards** : Irritating to eyes.  
 May cause sensitisation by skin contact.  
 Vapours may cause drowsiness and dizziness.

See section 11 for more detailed information on health effects and symptoms.

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#### 4. First aid measures

**First aid measures**

- Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.
- Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Skin Contact** : In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention immediately.
- Eye contact** : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.
- Notes to physician** : Not available.
- Specific treatments** : Not available.

See section 11 for more detailed information on health effects and symptoms.

#### 5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical, or CO<sub>2</sub>.
- Special exposure hazards** : Flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas, travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.  
Not available.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO<sub>2</sub>).
- Special protective equipment for fire-fighters** : Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

#### 6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

#### 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after handling.

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<b>Storage</b>	: Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
<b>Packaging materials</b>	
<b>Recommended</b>	: Use original container.
<b>Specific uses</b>	: Not available.

## 8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
<u>United Kingdom (UK)</u> propan-2-ol	<b>EH40-WEL (United Kingdom (UK), 1/2005).</b> STEL: 1250 mg/m <sup>3</sup> 15 minute(s). Form: All forms STEL: 500 ppm 15 minute(s). Form: All forms TWA: 999 mg/m <sup>3</sup> 8 hour(s). Form: All forms TWA: 400 ppm 8 hour(s). Form: All forms

#### Exposure controls

**Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

**Respiratory protection** : Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s). Wear appropriate respirator when ventilation is inadequate. organic vapor filter (Type A)

**Hand protection** : Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.  
>8 hour(s) (breakthrough time): Butyl rubber gloves.

**Eye protection** : safety glasses with side shields

**Skin protection** : Work uniform or laboratory coat.

## 9. Physical and chemical properties

#### General information

##### Appearance

##### Physical state

##### Colour

##### Odour

- : Liquid.
- : Clear Yellow. (Light.)
- : Odourless.

#### Important health, safety and environmental information

- pH** : 7.1 (Conc. (% w/w): 100) [Neutral.]
- Melting point** : May start to solidify at 10 to 12°C (50 to 53.6°F) based on data for: Mixture of lauryl ether carboxylic acid and sodium octyl sulfate. Weighted average: -17.36°C (0.8°F)
- Boiling point** : The lowest known value is 82.5°C (180.5°F) (propan-2-ol). Weighted average: 96.08°C (204.9°F)
- Flash point** : Closed cup: 29°C (84.2°F). (Pensky-Martens.)
- Flammability (solid, gas)** : Not applicable.
- Explosive properties** : Not available.
- Explosion Limits** : The greatest known range is Lower: 2% Upper: 13% (propan-2-ol)
- Oxidising properties** : Not available.
- Relative density** : 0.971 g/cm<sup>3</sup> (20°C / 68°F)
- Solubility** : Easily soluble in diethyl ether, acetone.  
Partially soluble in cold water, hot water.

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Evaporation rate (butyl acetate = 1) : 1.7 (propan-2-ol) compared to Butyl acetate.

#### Other information

Auto-ignition temperature : The lowest known value is 399°C (750.2°F) (propan-2-ol).

### 10. Stability and reactivity

- Stability** : The product is stable.
- Conditions to Avoid** : Stable under recommended storage and handling conditions (see section 7).
- Hazardous Decomposition Products** : These products are carbon oxides (CO, CO<sub>2</sub>).

### 11. Toxicological information

#### Potential acute health effects

- Inhalation** : Practically non-toxic by inhalation.
- Ingestion** : No known significant effects or critical hazards.
- Skin Contact** : May cause sensitisation by skin contact.
- Eye contact** : Irritating to eyes.

#### Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>	
propan-2-ol	LD50	5045 mg/kg	Oral	Rat	
	LD50	6410 mg/kg	Oral	Rabbit	
	LD50	3600 mg/kg	Oral	Mouse	
	LD50	12800 mg/kg	Dermal	Rabbit	
	LD50	12800 mg/kg	Dermal	Rabbit	
	LDLo	1537 mg/kg	Oral	Dog	
	LDLo	3570 mg/kg	Oral	human	
	LDLo	5272 mg/kg	Oral	man	
	Alkyl ether carboxylic acid	LD50	>2000 mg/kg	Oral	Rat
		LD50	3200 mg/kg	Oral	Rat

- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.
- Skin** : No known significant effects or critical hazards.
- Target organs** : Contains material which causes damage to the following organs: upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

**Other adverse effects** : Not available.

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### 12. Ecological information

**Ecotoxicity data**

Ingredient name

propan-2-ol

Species

Pimephales promelas (EC50) 48 hour(s)  
 Lepomis macrochirus (LC50) 96 hour(s)  
 Pimephales promelas (LC50) 96 hour(s)  
 Pimephales promelas (LC50) 96 hour(s)  
 Pimephales promelas (LC50) 96 hour(s)  
 Pimephales promelas (LC50) 96 hour(s)

Period

Result

10000 mg/l  
 >1400 mg/l  
 6550 mg/l  
 9640 mg/l  
 10400 mg/l  
 11130 mg/l

No known significant effects or critical hazards.

**Other adverse effects**

### 13. Disposal considerations

**Methods of disposal**

: The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**Waste classification**



: Not applicable.  
 : Not available.

**Hazardous waste**

: The classification of the product may meet the criteria for a hazardous waste

### 14. Transport information

**International transport regulations**

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
<b>ADR/RID Class</b>	1993	UN 1993, "dangerous goods in limited quantities of class 3", III, ADR (propan-2-ol)	3	III		<b>Hazard identification number</b> 33  <b>Reportable quantity</b> 45  <b>Remarks</b> Dangerous goods in limited quantities
<b>ADN Class</b>	1993	UN 1993, "dangerous goods in limited quantities of class 3", III, ADNR (propan-2-ol)	3	III		<b>RQ (Reportable quantity) ADN</b> 45  <b>Remarks</b> Dangerous goods in limited quantities

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<b>IMDG Class</b>	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG III (propan-2-ol)	3	III		<b>Emergency schedules (EmS)</b> F-E, S-E  <b>Reportable quantity</b> 30  <b>Remarks</b> Dangerous goods in limited quantities
<b>IATA-DGR Class</b>	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG III (propan-2-ol)	3	III		-

## 15. Regulatory information

### EU Regulations

**Hazard symbol(s)** :



Irritant

**Risk Phrases** :

R10- Flammable.  
R36- Irritating to eyes.  
R43- May cause sensitization by skin contact.  
R67- Vapours may cause drowsiness and dizziness.

**Safety Phrases** :

S2- Keep out of the reach of children.  
S24/25- Avoid contact with skin and eyes.  
S36/37- Wear suitable protective clothing and gloves.  
S43- In case of fire, use sand Powder. CO2.  
S46- If swallowed, seek medical advice immediately and show this container or label.  
S64- If swallowed, rinse mouth with water (only if the person is conscious).

**Other EU regulations** :

Not available.

**Product use** :

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.  
- Consumer applications.

**EC Statistical classification (Tariff Code)** :

32089091

**Ingredients identification information** :

less than 5%: anionic surfactants, ;perfumes:Geraniol, Limonene, Citronellol.

## 16. Other information

**Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK)** :

R11- Highly flammable.  
R10- Flammable.  
R68- Possible risk of irreversible effects.  
R36- Irritating to eyes.  
R38- Irritating to skin.  
R41- Risk of serious damage to eyes.  
R43- May cause sensitization by skin contact.  
R67- Vapours may cause drowsiness and dizziness.

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This safety data sheet is prepared in accordance with EU directive 91/155/EC amended by Directive 2001/58/EC



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R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK)

- : F - Highly flammable
- Xn - Harmful
- Xi - Irritant
- N - Dangerous for the environment.

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### Notice to reader

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