

Safety data sheet

according to 1907/2006/EC, Article 31

SAMBOL

Printing date 14/12/2016

Version number 1

Revision: 14/12/2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: **Wagner TipClean**

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture Lacquer solvent/ Varnish thinner

1.3 Details of the supplier of the safety data sheet

Supplier:

Wagner Spraytech Pty Ltd
14 - 16 Kevlar Close
Braeside, Victoria 3195

Manufacturer:

Sambol-IBS GmbH
Walter-Schellenberg-Str. 6
78315 Radolfzell
Competent person acc. to Regulation (EC)
No. 1907/2006:

1.4 Emergency telephone number:

Wagner Spraytech

- 1800 924 637 or 03 9587 2000
- Monday - Friday, 8.00am - 5.30pm
- **Poisons Information Centre**
- 13 11 26 - 24hrs 7 Days

2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

- Flam. Liq. 3 H226 Flammable liquid and vapour.
- Acute Tox. 4 H332 Harmful if inhaled.
- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2 H319 Causes serious eye irritation.
- STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS07

This material is hazardous according to health criteria of Safe Work Australia

Signal word : Warning

"Hazard-determining components of labelling:

2-butoxyethanol
1-methoxy-2-propanol

Hazard statements

H226 Flammable liquid and vapour. H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

Precautionary statements

P102 Keep out of reach of children.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14/12/2016

Version number 1

Revision: 14/12/2016

Trade name: TipClean

(Contd. of page 1)

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:**

CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3	1-methoxy-2-propanol Flam. Liq. 3, H226; STOT SE 3, H336	50-80%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36-xxxx	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	25-50%
CAS: 872-50-4 EINECS: 212-828-1 Index number: 606-021-00-7 Reg.nr.: 01-2119472430-46-xxxx	N-methyl-2-pyrrolidone Repr. 1B, H360D; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	3-7%
CAS: 123-42-2 EINECS: 204-626-7 Index number: 603-016-00-1 Reg.nr.: 01-2119473975-21-XXXX	4-hydroxy-4-methylpentan-2-one Flam. Liq. 3, H226; Eye Irrit. 2, H319; STOT SE 3, H335	3-7%

- **SVHC**
- 872-50-4 N-methyl-2-pyrrolidone
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** Supply fresh air or oxygen; call for doctor.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Information for doctor:**
Treat according to symptoms (decontamination, vital functions), no known specific antidote.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14/12/2016

Version number 1

Revision: 14/12/2016

Trade name: TipClean

(Contd. of page 2)

- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Nitrogen oxides (NO_x)
Incomplete combustion may cause Carbon monoxide, toxic fumes and smouldering gases.
Carbon dioxide (CO₂)
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to penetrate the ground/soil.
In case of seepage into the ground inform responsible authorities.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
For large amounts: Pump off product.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Use only in well ventilated areas.
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Fumes can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

(Contd. on page 4)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14/12/2016

Version number 1

Revision: 14/12/2016

Trade name: TipClean

(Contd. of page 3)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**
Do not store together with acids.
Do not store together with alkalis (caustic solutions).
Store away from oxidising agents.
Store away from foodstuffs.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

107-98-2 1-methoxy-2-propanol (50-80%)

WEL Short-term value: 560 mg/m³, 150 ppmLong-term value: 375 mg/m³, 100 ppm

Sk

111-76-2 2-butoxyethanol (25-50%)

WEL Short-term value: 50 ppm

Long-term value: 25 ppm

Sk

872-50-4 N-methyl-2-pyrrolidone (3-7%)

WEL Short-term value: 309 mg/m³, 75 ppmLong-term value: 103 mg/m³, 25 ppm

Sk

123-42-2 4-hydroxy-4-methylpentan-2-one (3-7%)

WEL Short-term value: 362 mg/m³, 75 ppmLong-term value: 241 mg/m³, 50 ppm

- **DNELs**

111-76-2 2-butoxyethanol

Oral DNEL

13.4 mg/kg/Tag (general population short-term)

3.2 mg/kg KG/Tag (general population long-term)

Dermal DNEL

89 mg/kg KG/Tag (worker short-term)

75 mg/kg KG/Tag (worker long-term)

44.5 mg/kg KG/Tag (general population short-term)

38 mg/kg KG/Tag (general population long-term)

Inhalative DNEL

98 mg/m³ (worker long-term)49 mg/m³ (general population long-term)

DNEL Arbeitnehmer Kurzzeit lokale Wirkung

246 mg/m³ (worker short-term)

DNEL Arbeitnehmer Kurzzeit systemische Wirkung

663 mg/m³ (Ark)

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14/12/2016

Version number 1

Revision: 14/12/2016

Trade name: TipClean

(Contd. of page 4)

DNEL Verbraucher Kurzzeit lokale Wirkung	123 mg/m ³ (general population short-term)
--	---

DNEL Verbraucher Kurzzeit systemische Wirkung	426 mg/m ³ (general population short-term)
---	---

872-50-4 N-methyl-2-pyrrolidone

Dermal DNEL	19.8 mg/kg (worker long-term)
-------------	-------------------------------

Inhalative DNEL	40 mg/m ³ (worker long-term)
-----------------	---

· **PNECs****111-76-2 2-butoxyethanol**

PNEC - Boden	2.8 mg/kg (soil)
--------------	------------------

PNEC - Sediment	3.46 mg/kg (sediment marine water)
-----------------	------------------------------------

	34.6 mg/kg (sediment freshwater)
--	----------------------------------

PNEC - wässrige Systeme	463 mg/l (sewage treatment plant)
-------------------------	-----------------------------------

	0.88 mg/l (water (marine water))
--	----------------------------------

	8.8 mg/l (water (freshwater))
--	-------------------------------

872-50-4 N-methyl-2-pyrrolidone

PNEC - Boden	0.138 mg/kg (soil)
--------------	--------------------

PNEC - Sediment	0.805 mg/kg (sediment freshwater)
-----------------	-----------------------------------

	0.0805 mg/kg (water (marine water))
--	-------------------------------------

PNEC - wässrige Systeme	10 mg/l (sewage treatment plant)
-------------------------	----------------------------------

	0.025 mg/l (water (marine water))
--	-----------------------------------

	0.25 mg/l (water (freshwater))
--	--------------------------------

	5 mg/l (water (intermittent releases))
--	--

· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Use skin protection cream for skin protection.

· **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Recommended filter device for short term use:** filter A· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

PVA gloves

Neoprene gloves

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Gauze goggles

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14/12/2016

Version number 1

Revision: 14/12/2016

Trade name: TipClean

(Contd. of page 5)

- **Body protection:**
Choose personal protective equipment according to activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** Fluid
 - **Colour:** Colourless
 - **Odour:** Characteristic
- **Change in condition**
 - **Melting point/Melting range:** Undetermined.
 - **Boiling point/Boiling range:** 117 - 205 °C
- **Flash point:** 37 °C
- **Ignition temperature:** 240 °C
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:**
 - **Lower:** 1.1 Vol %
 - **Upper:** 10.6 Vol %
- **Density at 20 °C:** 0.814 g/cm³
- **Solubility in / Miscibility with water:** Fully miscible.
- **Viscosity:** fluid, watery
- **Solvent content:**
 - **Organic solvents:** 95.5 %
 - **VOC (EC)** 95,50 %
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Develops readily flammable gases/fumes.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
Strong oxidizing agents
Concentrated acids and alkali (lyes)
- **10.6 Hazardous decomposition products:**
Concerning decomposition products in the event of fire, see Chapter 5.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
 - **Acute toxicity**
Harmful if inhaled.
 - **LD/LC50 values relevant for classification:**
- | | | | |
|--------------------------------------|-------|-------------|----------|
| 107-98-2 1-methoxy-2-propanol | | | |
| Oral | LD 50 | 5660 mg/kg | (rat) |
| Dermal | LD 50 | 13000 mg/kg | (rabbit) |

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14/12/2016

Version number 1

Revision: 14/12/2016

Trade name: TipClean

(Contd. of page 6)

Inhalative LC 50 (4h) 6 mg/l (rat)

111-76-2 2-butoxyethanol

Oral LD 50 1414 mg/kg (Meerschweinchen)
1746 mg/kg (rat) (OECD 401)

Dermal LD 50 > 2000 mg/kg (MS) (OECD 402)
2270 mg/kg (rab)

Inhalative LC 50 (1h) 1474 mg/l (Oncorhynchus mykiss) (OECD 203)
LC 50 (4h) 2.21 mg/l (rat) (OECD 403)

872-50-4 N-methyl-2-pyrrolidone

Oral LD 50 4150 mg/kg (rat)

Dermal LD 50 > 5000 mg/kg (rat)
8000 mg/kg (rabbit)

Inhalative LC 50 (4h) > 5.1 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**

111-76-2 2-butoxyethanol

EC 0 (16h) 700 mg/l (Pseudomonas putida) (DIN 38412)

EC 50 (16h) > 700 mg/l (Pseudomonas putida)

EC 50 (24h) 1720 mg/l (Daphnia magna)

EC 50 (48h) 1550 mg/l (Daphnie) (OECD 202)

EC 50 (72h) 1840 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
> 500 mg/l (Scenedesmus subspicatus)

LC 50 (96h) 1490 mg/l (Lepomis macrochirus) (DIN 38412)

NOEC (21d) >100 mg/l (Brachydanio rerio)

100 mg/l (Daphnia magna) (OECD 211)

872-50-4 N-methyl-2-pyrrolidone

EC 50 (0,5h) > 600 mg/l (Belebtschlamm) (ISO 8192-1986)

EC 50 (24h) > 1000 mg/l (Daphnia magna) (DIN 38412)

EC 50 (72h) > 500 mg/l (Scenedesmus subspicatus) (DIN 38412)

LC 50 (96h) > 500 mg/l (Oncorhynchus mykiss)

> 500 mg/l (Salmo gairdneri)

NOEC (21d) 12.5 mg/l (Daphnia magna)

- **12.2 Persistence and degradability** No further relevant information available.

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14/12/2016

Version number 1

Revision: 14/12/2016

Trade name: TipClean

(Contd. of page 7)

- **Biodegradability**

- **111-76-2 2-butoxyethanol**

- Biolog. Abbaubarkeit (28d) 90 % (not applicable) (OECD 301 B)

- > 95 % (OECD 301 E) (OECD 301 E)

- > 90 % (OECD 302 B) (OECD 302 B)

- **872-50-4 N-methyl-2-pyrrolidone**

- Biolog. Abbaubarkeit (28d) 73 % (OECD 301 C)

- **Other information:** The product is biodegradable.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

- Do not allow product to reach ground water, water course or sewage system.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

- Must be specially treated adhering to official regulations.

- Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Waste disposal key:**

- The mentioned waste codes are recommendations based on the product application as suggested by the manufacturer. Special applications and special disposal conditions at the applicer's place may however require another waste code.

- **European waste catalogue**

- 07 01 04* other organic solvents, washing liquids and mother liquors

- 16 03 03* inorganic wastes containing dangerous substances

- **Uncleaned packaging:**

- **Recommendation:**

- Disposal must be made according to official regulations.

- Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN-Number**

UN1993

- **ADR, IMDG, IATA**

- **14.2 UN proper shipping name**

1993 FLAMMABLE LIQUID, N.O.S.
(methoxypropanol, 2-butoxyethanol)

- **ADR**

FLAMMABLE LIQUID, N.O.S. (methoxypropanol, 2-butoxyethanol)

- **IMDG, IATA**

- **14.3 Transport hazard class(es)**

Classified as dangerous goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail"

- **ADR**



- **Class**

3 (F1) Flammable liquids.

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14/12/2016


Version number 1

Revision: 14/12/2016

Trade name: TipClean

(Contd. of page 8)

· Label	3

· IMDG, IATA	
	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Danger code (Kemler):	30
· EMS Number:	F-E, <u>S-E</u>
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	

· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E

· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN1993, FLAMMABLE LIQUID, N.O.S. (methoxypropanol, 2-butoxyethanol), 3, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Information about limitation of use:**
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
- **Class Share in %**
- **NK 80-100**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
872-50-4 N-methyl-2-pyrrolidone
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **Relevant phrases**
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14/12/2016

Version number 1

Revision: 14/12/2016

Trade name: TipClean

(Contd. of page 9)

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H360D May damage the unborn child.

· **Manufacturer Contact:** Mr Sambol Tel. +49-(0)7732 5 65 69· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Repr. 1B: Reproductive toxicity, Hazard Category 1B

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· *** Data compared to the previous version altered.**

GB