

Safety Data Sheet
according to Regulation (EC)
No. 453/1010 - United
Kingdom (UK)



SECTION 1: Identification of the Substance/Mixture and the Company/Undertaking

- 1.1 Product Identifier** **Revision Date:** 06/03/2015
- Product Name:** Line Marking Paint **Supersedes Date:** New SDS
- Product Description:** Floor Coating (Liquid)
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
- Industrial Uses: Uses of substances as such or in preparations
Consumer Uses: Private households (=general public = consumers)
Professional uses: Public domain (admin, education, entertainment , services, craftsmen)
- 1.3 Details of the supplier of the safety data sheet**
- Supplier:** Watco UK Limited
Watco House
Filmer Grove
Godalming
Surrey
GU7 3AL
Telephone no : +44 (0) 1483 425000
Email: rpmeurohas@ro-m.com
- Datasheet Produced by:** info@fibregrid.com
- 1.4 Emergency telephone number:** +44 (0) 207 858 1228

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Product definition: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
STOT RE 2, H373

Classification according to Directive 1999/45/EC [DPD]

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms

2.2 Label elements

Symbol(s) of Product

Signal Word

No signal word

Named Chemicals on Label

Diacetone alcohol, solvent naphtha (petroleum), light arom.

HAZARD STATEMENTS

May cause damage to organs through prolonged or repeated exposure if inhaled.
(respiratory tract)

PRECAUTION STATEMENTS

General : Keep out of reach of children. Read label before use. If medical advice is needed, have product container or label at hand.

Prevention : Do not breathe vapour

Response: Get medical attention if you feel unwell.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Annex XVII - Restrictions : Not applicable on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

2.3 Other hazards

No Information

SECTION 3: Composition/Information On Ingredients

3.2 Mixtures

Hazardous Ingredients	<u>Identifiers</u>		<u>%</u>	<u>Classification</u>
<u>Name According to EEC</u>	<u>EINEC No.</u>	<u>CAS-No.</u>		
2-butoxyethanol	203-905-0	111-76-2	1-<3	Xn; R20/21/22 Xi; R36, R38 Acute Tox.4, H302 Acute Tox.4, H312 Acute Tox.4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
				See Section 16 for the full text of the R-phrases declared above.

See Section 16 for the full text of the H statements declared above.

SECTION 4: First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: When symptoms persist or in all cases of doubt seek medical advice. Remove contaminated clothing and shoes.

AFTER INHALATION: Move to fresh air. Give oxygen or artificial respiration if needed. Keep respiratory tract clear. **AFTER SKIN CONTACT:** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

AFTER EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical attention.

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Harmful by inhalation. Do not ingest. Irritating to eyes and skin. Risk of serious damage to the lungs (by aspiration). Vapours may cause drowsiness and dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Fire-fighting Measures

5.1 Extinguishing Media:

Recommended: alcohol-resistant foam, CO₂, powders, water spray.
DO NOT use water jet.

5.2 Special hazards arising from the substance or mixture Fire will produce dense black smoke. Exposure not recommended.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Keep away from heat, sparks and flame. No sparking tools should be used.
 Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8).
 Never use pressure to empty. Container is not a pressure vessel.
 Always keep in containers made from the same material as the original one.
 Comply with the health and safety at work laws

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Direct sources of heat. Strong sunlight for prolonged periods.
STORAGE CONDITIONS: Store in original container. Keep in an area equipped with solvent resistant flooring. Keep locked up or in an area accessible only to qualified or authorised persons. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits (UK WELS)

<u>Product/ingredient name</u>	<u>Exposure limit values</u>
quartz, repairable fraction	EH40/2005 WELs (United Kingdom (UK), 12/2011).w TWA: 0,1 mg/m ³ 8 hours. Form: respirable dust
2-butoxyethanol	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. STEL: 50 ppm 15 minutes. TWA: 25 ppm 8 hours.

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may

EYE PROTECTION: Eye wash bottle with pure water. Safety glasses with side-shields conforming to EN166.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
2-butoxyethanol	DNEL	Short term Inhalation	426 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	38 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	49 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	135 mg/m ³	Consumers	Systemic
	DNEL	Short term Inhalation	50 mg/m ³	Consumers	Local
	DNEL	Long term Dermal	75 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Inhalation	20 mg/m ³	Consumers	Systemic
	DNEL	Long term Oral	3,2 mg/kg bw/day	Consumers	Systemic
	DNEL	Short term Dermal	44, 5 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Oral	13, 4 mg/ kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	123 mg/m ³	Workers	Local
	DNEL	Long term Oral	3, 2 mg/kg bw/day	Workers	Systemic

DNELs/DMELs

Product/ingredient name	Compartment Detail	Value	Method Detail
2-butoxyethanol	Fresh water	8,8 mg/l	-
	Marine	0,88 mg/l	-
	Sewage Treatment Plant	463 mg/l	-
	Fresh water sediment	34,6 mg/kg	-
	Marine water sediment	3,46 mg/kg	-
	Secondary Poisoning	2,8 mg/kg	-

**8.2 Exposure controls
Appropriate engineering
controls**

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

**Individual Protection measures
Hygiene measures**

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:

Physical State	Liquid [Viscous liquid.]
Colour	Various
Odor	Characteristics
Odor threshold	Not determined
pH	Not determined
Melting point / freezing point (°C)	Not determined
Boiling point/range (°C)	Not determined
Flash Point, (°C)	Closed cup: >100°C
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or Explosive limits	Not determined
Vapour Pressure	Not determined
Vapour density	Not determined
Relative density	1,42 to 1,43
Solubility in / Miscibility with water	Not determined
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature (°C)	Not determined
Decomposition temperature (°C)	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined

SECTION 10: Stability and Reactivity

10.1 Reactivity No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids

10.6 Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced. If involved in a fire, toxic gases including CO, CO₂ and smoke can be generated.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

There are no data available on the mixture itself. See Sections 2 and 3 for details.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in nonallergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Acute toxicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Irritation/Corrosion

<u>Product/ingredient name</u>	<u>Route of exposure</u>	<u>Species</u>	<u>Result</u>
2-butoxyethanol	24 hours 100 milligrams	Rabbit	Eyes - Moderate
		Rabbit	Eyes - Severe irritant
		Rabbit	Skin - Mild irritant

Corrosivity: No information available.

Sensitization: No information available.

Irritation: No information available.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>Product/ingredient name</u>	<u>Category</u>	<u>Route of exposure</u>	<u>Target organs</u>
quartz, respirable fraction	Category 1	Inhalation	Respiratory tract

Aspiration hazard

Not available

SECTION 12: Ecological Information

12.1 Toxicity:

There are no data available on the mixture itself.
Do not allow to enter drains or watercourses.

<u>Product/ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
2-butoxyethanol	Acute EC50 1700 to 1940 mg/l	Daphnia spec. - Daphnia magna	24 hours
	Acute EC50 >1000 mg/l Fresh water	Daphnia spec. - Daphnia magna	48 hours
	Acute LC50 1000 mg/l Marine water	Crustaceans - Chaetogammarus marinus - Young	48 hours
	Acute LC50 1000 to 800000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1490000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours

12.2 Persistence and degradability: 2-butoxyethanol - OECD 301E >70 % - Readily - 28 days

12.3 Bioaccumulative potential: 2-butoxyethanol - LopP 0,8 - Potential Low

12.4 Mobility in soil: No information.

12.5 Results of PBT and vPvB assessment: No information.

12.6 Other adverse effects: No information.

SECTION 13: Disposal Considerations

13.1 **WASTE TREATMENT METHODS:** Do not burn, or use a cutting torch on, the empty drum. Dispose of as hazardous waste in compliance with local and national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. The product should not be allowed to enter drains, water courses or the soil.

European Waste Code: No Information

Packaging Waste Code: 200129

SECTION 14: Transport Information

14.1 UN number Not regulated.

14.2 UN proper shipping name Not regulated.
Technical name

14.3 Transport hazard class(es)
Subsidiary shipping hazard

14.4 Packing group

14.5 Environmental hazards Not applicable.

14.6 Special precautions for user
Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation for the substance or mixture:

National Regulations:

Denmark Product Registration Number: Not available.

Danish MAL Code: Not available.

Danish MAL Code - Mixture: Not available.

Sweden Product Registration Number: Not available.

Norway Product Registration Number: Not available.

Germany WGK Class: Not available.

Covered by Directive 2012/18/EC (Seveso III):

Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006: Not applicable.

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific hazard statement
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

Full text of abbreviated H phrases

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.

Full text of abbreviated R phrases

F && Harmful if swallowed.
F (% Risk of serious damage to eyes.
F ' , Irritating to skin.

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.