OB1™
JOB DONE

MULTI-LAYER PAINT & VARNISH REMOVER

PRODUCT SAFETY DATA SHEET

Safety data sheet according to 1907/2006/EC, Article 31. Version number 01.		
Date: 21/04/2020	Replaces: N/A	Ref: 0400.0.MD

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01 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	OB1 Multi-Layer Paint & Varnish Remover.
Article number	OB1MSPR500.

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

No further relevant information available.

Sector of Use	SU21 Consumer uses: Private households / general public / consumers. SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen).
Product category	PC9a Coatings and paints, thinners, paint removers.
Process category	PROC7 Industrial spraying. PROC11 Non industrial spraying.
Application of the substance / the mixture	Paint remover.

1.3 Details of the supplier of the safety data sheet

Manufacturer/ Supplier	Siroflex Limited. Dodworth Business Park, Dodworth Barnsley, South Yorkshire S75 3SP. www.siroflex.co.uk
Email	sales@siroflex.co.uk
Website	www.ob1original.com
Further information obtainable from	www.ob1original.com

1.4 Emergency telephone number

Telephone	+44 (0)1226 771600	Monday – Thursday 8.30am - 5pm.	Friday 8.30am - 4.30pm.

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008.

GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol.
Pressurised container: May burst if heated.

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

Signal word

Danger.

Hazard statements

H222-H229 Extremely flammable aerosol.
Pressurised container: May burst if heated.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents / container in accordance with regional regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT Not applicable.

vPvB Not applicable.

3.2 Chemical characterisation: Mixtures

Description Mixture of substances listed below with non-hazardous additions.

Dangerous components		
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	Dimethyl ether.  Flam. Gas 1, H220. Press. Gas (Comp.), H280	50-<75%
CAS: 109-87-5 EINECS: 203-714-2 Reg.nr.: 01-2119664781-31	Dimethoxymethane.  Flam. Liq. 2, H225.	25-<50%
CAS: 646-06-0 EINECS: 211-463-5 Index number: 605-017-00-2	1,3-dioxolane.  Flam. Liq. 2, H225.	10-<12.5%
CAS: 67-56-1 EINECS: 200-659-6 Index number: 603-001-00-X Reg.nr.: 01-2119433307-44	Methanol.  Flam. Liq. 2, H225.  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331.  STOT SE 1, H370.	<1%
CAS: 108-01-0 EINECS: 203-542-8 Index number: 603-047-00-0 Reg.nr.: 01-2119492298-24	2-dimethylaminoethanol.  Flam. Liq. 3, H226.  Acute Tox. 3, H331.  Skin Corr. 1B, H314; Eye Dam. 1, H318.  Acute Tox. 4, H302; Acute Tox. 4, H312; STOT SE 3, H335.	≤0.5%

Additional information For the wording of the listed hazard phrases refer to section 16.

04 First aid measures

4.1 Description of first aid measures

After inhalation	Supply fresh air; consult doctor in case of complaints.
After skin contact	Generally the product does not irritate the skin.
After eye contact	Rinse opened eye for several minutes under running water.
After swallowing	Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

05 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents	CO_2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

5.3 Advice for firefighters

Protective equipment	Mouth respiratory protective device.

06 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Do not allow to enter sewers / surface or ground water.

6.3 Methods and material for containment and cleaning up

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

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.

07 Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

No special measures required.

Information about fire and explosion protection	Do not spray onto a naked flame or any incandescent material.
	Keep ignition sources away - Do not smoke.
	Keep respiratory protective device available.
Pressurised container	Protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles	Observe official regulations on storing packagings with pressurised containers.
Information about storage in one common storage facility	Not required.
Further information about storage conditions	Keep container tightly sealed.

7.3 Specific end use(s)

No further relevant information available.

08 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

115-10-6 dimethyl ether

WEL	**Short-term value** 958 mg/m³, 500 ppm.
	Long-term value 766 mg/m³, 400 ppm.

109-87-5 dimethoxymethane

WEL	**Short-term value** 3950 mg/m³, 1250 ppm.
	Long-term value 3160 mg/m³, 1000 ppm.

67-56-1 methanol

WEL	**Short-term value** 333 mg/m³, 250 ppm.
	Long-term value 266 mg/m³, 200 ppm.
	Sk.

108-01-0 2-dimethylaminoethanol

WEL	**Short-term value** 22 mg/m³, 6 ppm.
	Long-term value 7.4 mg/m³, 2 ppm.

Additional information The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment	
General protective and hygienic measures	Use suitable respiratory protective device in case of insufficient ventilation.
	Wash hands before breaks and at the end of work.
	Do not inhale gases / fumes / aerosols.
Respiratory protection	 Filter ABEK 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.
Protection of hands	In case of contact with spray dust protective gloves made of butyl shoud be used (min. 0.4 mm thick), e.g. KCL Camatril, article no. 898 or similar products. Due to missing tests no recommendation to the glove material can be given for the product / the preparation / the chemical mixture. The glove material has to be impermeable and resistant to the product / the substance / the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation .
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.
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	Not required.

9.1 Information on basic physical and chemical properties

General Information	
Appearance	
• Form	Aerosol.
• Colour	Whitish.
Odour	Solvent-like.
Odour threshold	Not determined.
pH-value	Not determined.
Change in condition	
• Melting point / Melting range	Undetermined.
• Boiling point / Boiling range	Not applicable, as aerosol.
Flash point	<0 °C (<32 °F) Not applicable, as aerosol.
Flammability (solid, gaseous)	Not applicable.
Ignition temperature	235 °C (455 °F).
Decomposition temperature	Not determined.
Explosive properties	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits	
• Lower	2.2 Vol %.
• Upper	26.2 Vol %.
Vapour pressure at 20 °C (68 °F):	4000 hPa (3000.2 mm Hg)
Density at 20 °C (68 °F)	0.8 g/cm° (6.7 lbs/gal)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water	Not miscible or difficult to mix.
Partition coefficient: n-octanol / water:	Not determined.
Viscosity	
• Dynamic	Not determined.
• Kinematic	Not determined.
Solvent content	
• Organic solvents:	88.2 %.
• VOC (EC)	---
	678.6 g/l.
VOC-EU%	88.25 %.
Solids content	1.1 %

9.2 Other information

No further relevant information available.

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 according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Primary irritant effect:

- **Skin corrosion / irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage / irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

11 Toxicological information (continued)

CMR effects (carcinogenity, 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.

12 Ecological information

12.1 Toxicity

Aquatic toxicity:

115-10-6 dimethyl ether	
EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (fish)

12.2 Persistence and degradability

No further relevant information available.

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 2 (German Regulation) (Self-assessment): hazardous for water.
	Do not allow product to reach ground water, water course or sewage system.
	Danger to drinking water if even small quantities leak into the ground.

12 Ecological information (continued)

12.5 Results of PBT and vPvB assessment

PBT	Not applicable.
vPvB	Not applicable.

12.6 Other adverse effects

No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods

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

European waste catalogue	
08 01 11*	Waste paint and varnish containing organic solvents or other hazardous substances.
15 01 04	Metallic packaging

Uncleaned packaging

Recommendation	Disposal must be made according to official regulations.
	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
	Do not spray on a naked flame or any incandescent material.

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

14.1 UN-Number

ADR, IMDG, IATA	UN1950.

14.2 UN proper shipping name

ADR	1950 AEROSOLS.
IMDG	AEROSOLS.
IATA	AEROSOLS, flammable.

14.3 Transport hazard class(es)

ADR

Class
2 5F Gases.

Label
2.1.

IMDG, IATA

Class
2.1.

Label
2.1.

14.4 Packing group

ADR, IMDG, IATA	Not regulated.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Warning	Gases.
Danger code (Kemler)	–
EMS Number	F-D,S-U.
Stowage Code	
SW1	Protected from sources of heat.
SW22	For AEROSOLS with a maximum capacity of 1 litre: Category A.
	For AEROSOLS with a capacity above 1 litre: Category B.
	For WASTE AEROSOLS: Category C, Clear of living quarters.
Segregation Code	
SG69	For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
	For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2.
	For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

14 Transport information (continued)

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information	
ADR	
• Limited quantities (LQ)	1L
• Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity.
Transport category	2
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity.
UN "Model Regulation"	UN1950, AEROSOLS, 2.1.

15 Regulatory information

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

Directive 2012/18/EU	
Named dangerous substances - ANNEX I	None of the ingredients is listed.
Seveso category	P3a FLAMMABLE AEROSOLS.
Qualifying quantity (tonnes) for the application of lower-tier requirements	150 t
Qualifying quantity (tonnes) for the application of upper-tier requirements	500 t
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction:	3
National regulations	
Other regulations, limitations and prohibitive regulations	
Substances of very high concern (SVHC) according to REACH, Article 57	None of the ingredients is listed.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

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

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.

Department issuing MSDS

R&D legislation and regulatory advisor.

Contact

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Abbreviations and acronyms

RID	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
ICAO	International Civil Aviation Organisation.
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).
PBT	Persistent, Bioaccumulative and Toxic.
SVHC	Substances of Very High Concern.
vPvB	very Persistent and very Bioaccumulative.
Flam. Gas 1	Flammable gases – Category 1.
Aerosol 1	Aerosols – Category 1.
Press. Gas (Comp.)	Gases under pressure – Compressed gas.
Flam. Liq. 2	Flammable liquids – Category 2.
Flam. Liq. 3	Flammable liquids – Category 3.
Acute Tox. 3	Acute toxicity - oral – Category 3.
Acute Tox. 4	Acute toxicity - oral – Category 4.
Skin Corr. 1B	Skin corrosion/irritation – Category 1B.
Eye Dam. 1	Serious eye damage/eye irritation – Category 1.
STOT SE 1	Specific target organ toxicity (single exposure) – Category 1.
STOT SE 3	Specific target organ toxicity (single exposure) – Category 3.

END of safety data sheet.