



SAFETY DATA SHEET
SYMBIO OIL REMOVER

SDS COMPLETED 8TH JULY 2015

VERSION 01
REVISION NUMBER: N/A

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

1.1 Product Name

Symbio Oil Remover

1.2 Application

A preparation for hydrocarbon bioremediation. Not for oral consumption or direct contact with food or beverages

1.3 Supplier

Company name:

Eco Solutions (C&R) Ltd T/a Symbio
Unit 8
Coopers Place
Combe Lane
Wormley
Surrey
GU8 5SZ

Tel: +44 (0) 1428 685762

Fax: +44 (0)1428 685702

Email: info@symbio.co.uk

1.4 Emergency Contact Number

Tel: +44 (0) 1428 685762

2. HAZARD IDENTIFICATION

2.1 Classification

Classification (EC1272/2008)

Physical: Not classified
Health: Eye Dam. 1 – H318
Environmental Not classified

2.2 Labelling

Classification (EC1272/2008)



GHS05

Signal Word

Danger

Hazard Statements

H318 – Causes serious eye damage

Precautionary Statements

P280 – Wear protective gloves/protective clothing/eye protection/face protection

P261: avoid breathing dust

P285: in case of inadequate ventilation, wear respiratory protection

P305+351+338 –IF IN EYES: Rinse continuously with water for several minutes.

Remove contact lenses if present and easy to do – continue rinsing

P310 – Immediately call POISON CENTER or doctor/physician

P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.



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P342+P311: If experiencing respiratory symptoms call a doctor/physician.
P501: Dispose of contents/container in accordance with local regulations

Classification (1999/45/EEC)

Irritant



IRRITANT

Risk Statements R36/38 – Irritating to eyes and skin
Safety Statements S2 – Keep out of reach of children.
S24/25 – Avoid contact with skin and eyes.
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 soap suds.

2.3 Other Hazards

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture

A powdered mixture of Bacillus sp and pseudomonas putida (upto 10%) on a dextrose base blended with

Product	EC (EINECS No.)	CAS-No.	%
Sodium Carbonate	207-838-8	497-19-8	<20
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified Health: Eye Irrit 2. – H319 Environmental: Not Classified.		Xi; R36	
Product	EC (EINECS No.)	CAS-No.	%
Sodium Metasilicate Pentahydrate	229-912-9	10213-79-3	<5
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Met. corr. 1 – H290 Health: Skin Corr. 1B – H314; Eye Dam. 1 – H318; STOT SE 3 – H335 Environmental: Not Classified.		C; R34 Xi; R37	
Product	EC (EINECS No.)	CAS-No.	%
Sodium Percarbonate	239-707-6	15630-89-4	5-10
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: OX. Sol. 2 – H272 Health: Acute Tox. 4 – H302; Eye Dam. 1 – H318 Environmental: Not Classified.		O; R8 Xn; R22 Xi; R41	
Product	EC (EINECS No.)	CAS-No.	%
Sodium Dodecyl Benzene Sulphonate	246-680-4	25155-30-0	<3%
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified.		Xn; R22 Xi; R38, R41	



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Health: Acute Tox. 4 – H302, Eye Dam. 1 – H318, Skin Irrit. 2 – H315 Environmental: Not Classified.			
Product	EC (EINECS No.)	CAS-No.	%
Parfum'	N/a	N/a	0.04
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified. Health: Skin. Sens. 1 – H317 Environmental: Chronic Cat 2 - H411		R43	

For the full text of the R-phrases mentioned in this section, see section 16.

For the full text of the H-statements mentioned in this section, see section 16.

4. FIRST-AID MEASURES

4.1 Description of First Aid Measures

Inhalation	Move exposed person to fresh air. Get medical attention
Ingestion	Get medical advice immediately! Do Not Induce Vomiting! Immediately rinse mouth and drink plenty of water
Skin Contact	Remove contaminated clothing immediately and wash with soap and water. Wash affected areas with plenty of water. Get medical attention immediately
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove contact lenses if safe and easy to do so, open eyes wide apart. Get medical attention immediately. Continue to rinse.

4.2 Most Important Symptoms and effects, both acute and delayed

General Information	Symptoms described are dependent upon the concentration and exposure time
Inhalation	Possible irritation of throat, nose & airway. Sensitive individuals may experience breathing difficulties
Ingestion	Irritation, possible burns to throat mouth and stomach
Skin Contact	Irritation to skin
Eye Contact	Possible serious eye damage

4.3 Indication of immediate medical attention and special treatment needed if necessary

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media Use:

The preparation is not readily flammable, use fire-extinguishing media suitable for surrounding materials

5.2 Specific Hazard arising from the chemical

When heated in the case of fire, harmful or toxic gases may be produced. Low degree of risk due to thermal decomposition. May release oxides of carbon if burnt

5.3 Special protective actions for fire fighters

Self contained breathing apparatus and full protective clothing must be worn. Firefighters should be equipped with breathing apparatus appropriate to environmental conditions and wear protective clothing.



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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures

- a. The wearing of suitable protective equipment (including personal protective equipment, see section 8 of this SDS) to prevent any contamination of skin, eyes and personal clothing.
- b. Provide sufficient ventilation.
- c. Follow precautions for safe handling described in section 7 of this SDS.

6.2 Environmental Precautions

Spillages of uncontrolled discharges into watercourses must be immediately alerted to the Environmental Agency or other appropriate regulatory body, without endangering individuals every effort should be made to prevent entrance to drains.

6.3 Methods and material for containment and clean up

Drains should be Bunded or capped to prevent entrance or damage.
Ventilate well. Brush or vacuum up taking care not to create excessive dust. Place in suitable containers. Dilute area with copious amounts of water.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid Spilling, skin and eye contact.
Read the label before use. Avoid dust formation, do not breathe dust. Wash hands after working with product
Do Not Smoke In Work Area! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke.

7.2 Conditions for safe Storage, including incompatibilities

Keep containers tightly closed. Keep in original containers. Do not allow product to freeze, avoid extreme temperatures. Protect from light, raised temperatures and humidity

7.3 Specific end use(s)

The identified use for this product is detailed in section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Name	STD	Long Term	Notes
Sodium Carbonate	DNELs	10mg/m ³	
Sodium Metasilicate	DNELs	1.55mg/m ³	Inhalation
	WEL	TWA – 8 Hrs	STEL – 15 Min
SUBTILISIN		0,00004 mg/m ³	

WEL= Workplace Exposure Limit

8.2 Appropriate engineering controls

Provide adequate ventilation. Avoid eating drinking and smoking. Wash hands after use.

8.3 Individual protection measures, such as personal protective equipment (PPE)

- Respiratory Equipment** dust mask
- Hand Protection** PVC gloves are recommended.



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Eye Protection Wear approved safety goggles.
Other Protection Wear rubber apron, wear rubber footwear.
Protective Equipment

9. PHYSICAL AND CHEMICAL PROPERTIES



9.1 Information on basic physical and chemical properties.

This Product is a	Mixture
Appearance	Granular Powder
Colour	White with coloured speckles
Odour	Pleasant
Solubility	Soluble in water
pH value	9.5-10
Solubility	Soluble in Water
Relative Density	1.1

9.2 Other information

10. STABILITY AND REACTIVITY

10.1 Reactivity

None known

10.2 Chemical stability

Stable under normal conditions and use.

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Avoid excessive heat for prolonged periods of time. Do not expose the mixture to humidity

10.5 Incompatible materials

10.6 Hazardous decomposition products

When heated toxic and corrosive vapours may be formed. May release oxides of carbon during fire.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Sensitisation – may cause sensitisation in certain susceptible individuals. Classed as a respiratory sensitiser

Toxicological information

We have not carried out any animal testing; therefore we have no toxicological data specifically for this product. The toxicological data, where provided by the raw material manufacture, can be made available on request.

12. ECOLOGICAL INFORMATION



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12.1 Toxicity

We have not carried out any Aquatic testing; therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity data, where provided by the raw material manufacturer for the ingredients with aquatic toxicity can be provided on request

12.2 Persistence and degradability

Degradability: the surfactants used in this preparation are designed for disposal via normal foul water disposal methods. Dextrose, soya, sodium phosphate and enzymes are fully biodegradable. The bacteria are naturally present in the environment.

12.3 Bioaccumulative potential

This preparation does not contain any substance that is expected to be bioaccumulating

12.4 Mobility in soil

Not Known

12.5 Results of PBT and vPvB

This preparation does not contain and PBT or vPvB substances

12.6 Other adverse effects

Not Known

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The preparation is designed for disposal via foul drain after use. Large volumes to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local waste disposal authority. Clean used container and recycle.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport

15. REGULATORY INFORMATION

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

Guidance notes: Workplace Exposure Limits EH40

EU Legislation: Safety Data sheets prepared in accordance with REACH Commission Regulation (EU) No 453/2010 and CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of dangerous preparations. Ingredients are listed with classification under both CHIP – Directive 67/548/EEC and GHS / CLP – Regulation (EC) No 1272/2008 classification, ADR 2013

15.2 Chemical Safety Assessment

Not applicable this product is a mixture

16. OTHER INFORMATION

Notes This information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate and reliable as of date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



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Risk phrases in full

R8 – Contact with combustible materials may cause fire

R22 – Harmful if swallowed

R34 – Causes burns

R36/R38 – Irritating to eyes and skin

R37 – Irritating to respiratory system

R38 – Irritating to skin

R41 – Risk of serious damage to eyes

R43 – May cause sensitisation by skin contact

Hazard statements in full H272 – May intensify fire

H290 – May be corrosive to metals

H302 – Harmful if swallowed

H314 – Causes severe skin burns and eye damage

H315 – Causes skin irritation

H318 – Causes serious eye damage

H319 – Causes serious eye irritation

H335 – May cause respiratory

Supplementary

P- Statements

Disclaimer

The information in this SDS was obtained from sources which we believe to be reliable. Symbio provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate handling of the product by properly trained and qualified personnel. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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