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SAFETY DATA SHEET

OB41 MULTI-USE PENETRATING OIL

SECTION 1; IDENTIFICATION OF THE SUBSTANCES/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name OB41 MULTI-USE PENETRATING OIL

1.2. Relevant identified uses of the substances or mixture and uses advised against

Identified uses Spray adhesive

1.3. Details of the supplier of the data sheet

Supplier Siroflex Limited
Dodworth Business Park, Dodworth
Barnsley, South Yorkshire S75 3SP
Tel: 01226 771600 Fax: 01226 771601
www.ob1original.com info.siroflex@bostik.com

1.4. Emergency telephone number

+ 44 (0) 1226 771600 Office Hours Only

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)	Physical and chemical hazards	Extremely Flam. Aerosol - H222
	Human health	Asp Tox 1 – H304
		Skin Irrit 2 – H315
		STOT SE 3 – H336
	Environment	Aquat Chron 2 – H411

The full text for all Hazard statements are displayed in Section 16.

2.2. Label elements

Contains: Distillates (petroleum), hydrotreated light

Label In Accordance With (EC) No. 1272/2008



Signal Word Danger

Hazard Statements

H222	Extremely flammable aerosol.
H229	Pressurized container; may burst if heated
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effect

Precautionary Statements

- P102 Keep out of reach of children
 P210 Keep away from heat, hot surfaces, park, open flames and other ignition sources – No Smoking.
 P251 Do not pierce or burn, even after use.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P501 Dispose of contents in accordance with Local Regulations.

Supplementary precautionary statements

- P273 Avoid release to the environment.
 P304+P340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.
 P302 + P350 IF ON SKIN: Wash with plenty of soap and water
 P301+P331+P315 IF SWALLOWED: Do NOT induce vomiting. Get immediate medical advice/ attention.
 P308+313 If exposed or concerned: Get medical advice/attention
 P410+412 Protect from sunlight. Do not expose to temperatures Exceeding 50°C/122°F.

Supplement label information

- EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Pressurised 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 naked flame or any incandescent material – NO SMOKING.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

Mixture of mineral oil base stocks, petroleum distillates with proprietary additive.

PETROLEUM GASES LIQUIFIED	30-60%
CAS No: 68476-85-7	EC No.: 270-704-2
Classification (EC 1272/2008)	
Flam. Gas 1- H220	
Distillates (petroleum), Hydrotreated light	20-40%
CAS No: 64742-47-8	EC No: 265-149-8
Classification (EC 1272/2008)	
EUH066	
Asp. Tox. 1 - H304	
Kerosene (petroleum), hydro desulfurized	10-20%
CAS No: 64742-81-0	EX No: 265-156-6
Classification (EC 1272/2008)	
Skin Irrit 2 – H315	
Asp Tox 1 – H304	
Aquat Chron 2 – H411	
STOT SE 3 – H336	

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Information

Remove affected person from source of exposure. Provide fresh air, first-aid, warmth and rest. Do not give victim anything to drink if they are unconscious.

Inhalation.

Clean nose and mouth with water. If unconscious or breathing is irregular artificial respiration may be administered by suitably qualified first-aiders.

Get medical attention if symptoms persist.

Ingestion

If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. If patient vomits keep head low to prevent vomit entering lungs. If conscious give 1 - 2 glasses of water to drink.

Rinse mouth thoroughly and seek medical attention immediately. Keep patient at rest.

Skin Contact

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and running water. Take special care to clean folds, crevices, creases and groin. Get medical attention if irritation persists or develops.

Eye Contact

Check for contact lenses which must be removed from the eyes before rinsing. Promptly rinse eyes with plenty of clean water while lifting the eyelids. Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get medical attention if any discomfort or irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling section 2.2, and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguish with foam, carbon dioxide, dry powder, sand, dolomite or other inert material. Do not use high pressure water jet as this may spread burning material.

5.2. Special hazards arising from the substance or mixture

Specific Hazards

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Avoid breathing fire vapours. Use water SPRAY only to cool containers! Do not put water on leaked material. Keep run-off water out of sewers and water sources. Dike for water control. Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contact. Ensure adequate ventilation. Avoid breathing vapours, mist or gas. Wear personal protective equipment (see section 8).

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environment Agency or other regulatory body. Do not discharge into drains or watercourses or onto the ground.

6.3 Methods and material for containment and cleaning up

Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb in vermiculite, dry sand or earth, and place into containers.

6.4 Reference to other sections

Wear protective clothing as described in section 8 of this safety data sheet. For waste disposal see section 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Must not be exposed to direct sunlight or temperatures above 50°C.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
PETROLEUM GASES LIQUIFIED	WEL	1,000 ppm	1,250 mg/m ³	1,250 ppm	2,180 mg/m ³	UK EH40 WEL
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	WEL		800 mg/m ³			

WEL = Workplace Exposure Limit.

8.2. Exposure controls**Engineering Measures**

Provide adequate general and local exhaust ventilation. Respiratory Equipment

If ventilation is insufficient suitable respiratory protection must be provided. Seek recommendations and advice from equipment manufacturer or supplier.

Hand Protection

Wear suitable protective gloves conforming to EN 374. Seek recommendations from manufacturer or supplier. After using gloves the hands should be washed and dried thoroughly and a suitable moisturiser applied. Suitable gloves may include - Nitrile. Viton rubber (fluoro rubber).

Eye Protection

Wear approved safety goggles. Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

(a) Appearance	Aerosol.
(b) Odour	Hydrocarbon solvent
(c) Odour Threshold	No data available
(d) pH	No data available
(e) Melting point/freezing point	No data available
(f) Initial boiling point and boiling range	No data available
(g) Flash point	Estimated at -35°C
(h) Evaporation point	No data available
(i) Flammability (solid gas)	No data available
(j) Upper/lower flammability Or explosive limits	No data available
(k) Vapour pressure	No data available
(l) Vapour density	No data available
(m) Relative density	Approx. 0.80 @ 15°C
(n) Water solubility	Not miscible
(o) Partition coefficient n-octanol/water	No data available
(p) Auto-ignition temperature	No data available
(q) Decomposition temperature	No data available
(r) Viscosity	No data available
(s) Explosive properties	No data available
(t) Oxidising properties	No data available.

9.2 Other information

Can pressure 70psi.

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

Stable under normal conditions of storage and use. See section 7.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong oxidising substances.

10.6. Hazardous decomposition products

Decomposition can lead to the formation of toxic gases or fumes, including carbon monoxide (CO) and carbon dioxide (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Toxic Dose 1 - LD 50 >5,000 mg/kg (oral rat)

Toxic Dose 2 - LD 50 >5,000 mg/kg (dermal-rbt)

Toxic Conc. - LC 50 >5,000 ppm/8hr (inh-rat)

Germ Cell Mutagenicity (In Vitro)

Bacteria reverse mutation assay (eg Ames test) - Negative.

Inhalation

Prolonged inhalation of high concentrations may damage respiratory system. Ingestion.

Harmful: may cause lung damage if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin Contact

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation. Not a skin sensitiser.

Eye Contact

May cause severe irritation to eyes. Health Warnings

Pre-existing skin conditions may be aggravated by contact with this product.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity:**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

LC 50, 96 Hrs, Fish mg/l >1000

Acute Toxicity - Fish LC50 96 hours > 1000 mg/l *Onchorhynchus mykiss* (Rainbow trout)

EC 50, 48 Hrs, Daphnia, mg/l >1000

Acute Toxicity – Aquatic Invertebrates EC50 48 hours > 1000 mg/l *Daphnia magna*

EC 50, 72 Hrs, Algae, mg/l >1000

Acute Toxicity - Aquatic Plants EC50 72 hours > 1000 mg/l *Scenedesmus subspicatus*

12.2. Persistence and degradability

Degradability:

Readily biodegradable.

Biodegradation Degradation (%): Water 69 28 days

12.3. Bioaccumulative potential

Bioaccumulative Potential:

Measured experimental data are not meaningful on substances of unknown or variable composition, complex reaction products and biological materials (UVCBs).

Partition Coefficient

Not applicable.

12.4. Mobility in soil

Mobility:

Floats on water. Contamination will evaporate from the surface of water and soils.

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects**SECTION 13: DISPOSAL CONSIDERATIONS****General Information**

Product is hazardous waste. Do not allow into drains, sewers or water courses. Dispose of this material and its container at a waste collection point. Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION**14.1 UN Number**

UN No (ADR/RID/ADN)	1950
UN No (IMDG)	1950
UN NO (ICAO)	1950

14.2 UN Proper Shipping Name

ADR/IMDG/AND/RID	AEROSOLS
IATA	Aerosols Flammable

14.3 Transport Hazard Class(es)

ADR/RID/ADN Class	2.1
ADR/RID/ADN Class	Class 2: Gases
ADR Label No	2.1 & 6.1
IATA	2.1
IMDG Class	2.1
ICAO Class/Division	2.1
ICAO Subsidiary Risk	6.1
ICAO TEC* No	20GSF
Air Class	2.1
UK Road Class	2.1
Transport Labels	L.Q.

**14.4 Packing Group**

Not Applicable

14.5 Environmental Hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

14.6 Special Precautions for user**Overland Transport**

Classification Code (ADR):	5F
Special Provisions (ADR):	190,327,344,625
Limited Quantities (ADR):	1I
Excepted Quantities (ADR):	E0
Packing Instructions (ADR):	P207,LP02
Special Packing provisions (ADR):	PP87, RR6, L2
Mixed Packing provisions (ADR):	MP9
Transport Strategy (ADR):	2
Special provisions for carriage – Packages (ADT)	V14
Special Provisions for carriage – Loading, unloading and handling (ADR):	CV9, CV12
Special provisions for carriage – Operation (ADR):	S2
Tunnel Restriction Code:	D
Transport by Sea	
Special Provisions (IMDG):	63,190,277,327,344,959
Limited Quantities (IMDG):	SP277

Excepted Quantities (IMDG):	E0
Packing Instructions (IMDG):	P207,LP02
Special Packing provisions (IMDG):	PP87,L2
EmS-No (Fire):	F-D
EmS-No (Spillage):	S-U
Stowage category (IMDG):	None
Stowage and Handling (IMDG):	SW1,SW22
Segregation (IMDG):	SG69
MFAG-No:	126
<u>Air Transport</u>	
PCA Excepted Quantities (IATA):	E0
PCA Limited Quantities (IATA):	Y203
PCA Limited Quantity max net quantity (IATA):	30KgG
PCA Packing instructions (IATA):	203
PCA max net quantity (IATA):	75Kg
CAO packing instructions (IATA):	203
CAO max net quantity (IATA):	150Kg
Special provisions (IATA):	A145,A167,A802
ERG Code (IATA):	10L
<u>Inland Waterway Transport</u>	
Classification Code (ADN):	5F
Special Provisions (ADN):	190,327,344,625
Limited Quantities (ADN):	1 L
Excepted Quantities (ADN):	E0
Equipment required (ADN):	PP,EX,A
Ventilation (ADN):	VE01,VE04
Number of blue cones/lights (ADN):	1
<u>Rail Transport</u>	
Classification Code (RID):	5F
Special Provisions (RID):	190,327,344,625
Limited Quantities (RID):	1L
Excepted Quantities (RID):	E0
Packing Instructions (RID):	P207,LP02
Special Packing provisions (RID):	PP87,RR6,L2
Mixed Packing provisions (RID):	MP9
Transport Category (RID):	2
Special Provisions for carriage – Packages (RID):	W14
Special Provisions for carriage – Loading, unloading and handling (RID):	CW9, CW12
Colis Express (express parcels) (RID):	CE2
Hazard Identification No (RID):	23

14.7 Transport in bulk according to Annex II of MARPOL and the IBC code

Not applicable

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.****Statutory instruments**

The chemicals (Hazard information and packaging for supply) regulations 2009 (S.I 2009 No. 716).
Control of substances hazardous to health.

Approved code of practice.

Classification and labelling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.

Guidance notes

Workplace exposure limits EH40. Introduction to Local exhaust ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation

Dangerous substance directive 67/548/EEC. Dangerous preparations directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European parliament and of the council of 18 December 2006 concerning the registration, evaluation, authorisation and restriction of chemicals (REACH), establishing a European Chemicals agency, amending directive 1999/45/EC and repealing council regulation (EEC) No 793/93 and commission regulation (EC) No 1488/94 as well as council directive 76/769/EEC and commission directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

A chemical safety assessment was not carried out for this product,.

SECTION 16: OTHER INFORMATION**General information**

This product should be used as directed. For further information consult the product data sheet or contact technical services.

Information sources

This safety data sheet was compiled using current safety information supplied by distributor raw materials.

Hazard statements in full

H220	Extremely flammable gas
H222	Extremely flammable aerosol
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking

Abbreviations

Skin Irrit 2	Skin Irritant Category 2
STOT SE 3	Specific Target Organ Toxicity Single Exposure Category 3
Flam Gas 1	Flammable Gas Category 1
Asp Tox 1	Aspiration Toxicity Category 1
Aquat Chron 2	Aquatic Toxicity Category 2

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Due to different materials used, as well as to varying working conditions, production techniques, and the requirements of the end users, all of which are beyond our control, we strongly recommend that thorough and extensive trials are carried out in order to test the suitability of our products with regard to the required processes and applications. This should also include an ageing test which should be applied to all substrates used.

It is also the responsibility of the purchaser and end user of this product to ensure that all appropriate actions necessary for the protection of the environment, and for the health and safety of their employees are observed.

This datasheet replaces all former versions