

Section 1. Identification**1.1 Product Identifier** 3092

Product Name	CRUDE OIL (ARTIFICIAL)
CAS Number	Mixture
REACH Registration No	A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

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

Uses of Material	Chemical for industrial and laboratory use. Not suitable for domestic use.
------------------	----------------------------------------------------------------------------

1.3 Supplier Vickers Laboratories Ltd

Grangefield Industrial Estate
Richardshaw Road
Pudsey
West Yorkshire
LS28 6QW
UNITED KINGDOM

Phone	44 0113 2362811
Fax	+44(0)113 2362703
Email	safety@viclabs.co.uk
Website	www.viclabs.co.uk

1.4 Emergency Telephone (08:00-16:30) +44(0) 113 2362811
(24hr) 112
(Have this document to hand)**Section 2. Hazards Identification****2.1 Classification of the substance or mixture****Classification according to regulation 1272/2008/EC**

Flammable liquid, category 2	H225: Highly flammable liquid and vapour.
Skin corrosion/irritation, category 2	H315: Causes skin irritation.
Serious eye damage/irritation, category 2	H319: Causes serious eye irritation.
Respiratory sensitization, category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carcinogenicity, category 1B	H350: May cause cancer.
Aspiration hazard, category 1	H304: May be fatal if swallowed and enters airways.
Hazard to aquatic environment, category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements**Labelling according to regulation 1272/2008/EC**

Signal word	Danger
Hazard Pictograms	



Hazard Statements Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause cancer. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

Precautionary Statements Keep away from heat / sparks/open flames/hot surfaces - No smoking. Keep container tightly closed. Wear protective gloves / protective clothing / eye protection. Store in a well ventilated place. Keep cool. Do not breathe fume/vapours.

Section 3. Composition

3.2 Mixtures

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Mixed hydrocarbon solvent	64742-47-8	265-149-8		~20%	Asp. Tox. 1
White spirit	8052-41-3	265-191-7		10.4%	Flam. Liq. 3, Skin Irrit. 2, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 3
Mixed hydrocarbon solvent	8032-32-4	232-453-7		~3%	Flam. Liq. 1, Skin Irrit. 2, Repr. 2, STOT SE 3 (D), Asp. Tox. 1, Aquatic Chronic 2
Mixed hydrocarbon solvent	8032-32-4	232-453-7	01-2119473851-33-XXXX	~3%	Flam. Liq. 2, Skin Irrit. 2, Repr. 2, STOT SE 3 (D), Asp. Tox. 1, Aquatic Chronic 2

Section 4. First Aid

4.1 Description of first aid measures

Eyes	Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.
Skin	Thoroughly wash off skin with soap and water. Remove contaminated clothing immediately and wash before re-use.
Inhalation	Remove from exposure.
Ingestion	Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.
Personal protection for first aiders	Wear protective gloves / eye protection.

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

No further relevant information available.

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

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media	Foam, dry powder, carbon dioxide or vaporising liquids.
Unsuitable Media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards	Presents no specific fire danger.
---------	-----------------------------------

5.3 Advice for firefighters

Advice for firefighters	Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus.
-------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection See section 8.2 for information on protective equipment and section 13 for information on disposal.

6.2 Environmental precautions

Environmental Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

6.3 Methods and material for containment and cleaning up

Major Spillage Contain and absorb on inert material. Transfer absorbent to container for removal. Wash area down with detergent and copious amounts of water.

Minor Spillage Contain and absorb on inert material. Transfer absorbent to container for removal. Wash area down with detergent and copious amounts of water.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

No specific precautions.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits			
			Long Term (8hr TWA)		Short Term 15min period	
Refined mineral oil	8042-47-5	58.8%	-	-	5.0 ppm	10.0 mg/m-3
Mixed hydrocarbon solvent	64742-47-8	~20%	-	-	-	-
White spirit	8052-41-3	10.4%	100.0 ppm	125.0 mg/m-3	575.0 ppm	720.0 mg/m-3
Petroleum spirit 60/80 a.r.		~4.5%	-	-	-	-
Mixed hydrocarbon solvent	8032-32-4	~3%	250.0 ppm	-	-	-
Mixed hydrocarbon solvent	8032-32-4	~3%	240.0 ppm	-	-	-

Exposure data source(s) IOELV: Indicative Occupational Exposure Limit Value.

8.2 Exposure controls

Respiratory Protection Store in a well ventilated place. Keep container tightly closed. Use in well ventilated area. In case of inadequate ventilation wear respiratory protection.

Hand Protection Wear gloves.

Eye Protection Use tightly fitting chemical splash proof glasses or goggles.

Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Black / brown oily liquid
Odour	Characteristic.
pH	Not applicable
Boiling Point	165°C
Melting Point	Not applicable
Flash Point	60°C (Closed cup)
Upper Flammable Limit	Not applicable
Lower Flammable Limit	Not applicable
Auto Ignition	Not applicable
Explosive Properties	No.
Oxidising Properties	No.
Vapour Pressure	Not applicable
Relative Density	0.8300
Water Solubility	Insoluble in water.

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1	Reactivity	No data available.
10.2	Chemical Stability	Stable under normal conditions
10.3	Possibility of hazardous reactions	No data available.
10.4	Conditions to Avoid	No specific conditions.
10.5	Incompatible Materials	Strong oxidising agents.
10.6	Hazardous Decomposition Products	None unusual. Burning will produce smoke, carbon monoxide and/or carbon dioxide.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes	Causes serious eye irritation.
Skin	Causes skin irritation.
LD50 Skin	Not available
Ingestion	Acts as a laxative if taken internally. May be fatal if swallowed and enters airways.
LD50 Oral	Not available
Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
LD50 Inhalation	Not available
TCLo	Not available
Carcinogenicity	May cause cancer.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.
Other Information	Limit exposure.

Section 12. Ecological

12.1	Toxicity	Limited biodegradability when tested by CEC-L-33-T-82 (50%) but regarded as inherently biodegradable. Leeching and penetration through surface soils is generally regarded as resulting in long term persistence. Fresh or used product may be harmful to aquatic life.
	LC50 Algal	Not available
	LC50 Crustacea	Not available
	LC50 Fish	Not available

12.2 Persistence and degradability	No data available.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT & vPvB assessment	Assessment not required.
12.6 Other adverse effects	None known at present.

Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods	Dispose of in a licensed incinerator.
Contaminated Packaging	Use a licensed waste disposer.

Section 14. Transport Information

14.1 UN Number	1267
14.2 Proper Shipping Name	Petroleum crude oil
14.3 Transport classes	
UN classification	3
Subsidiary hazard(s)	None
Transport category	3
ADR Hazard ID	30
Tunnel Restriction Code	D/E
14.4 Packing Group	III
14.5 Environment hazards	See section 12.
14.6 Special precautions for user	No special precautions required.
14.7 Transport in bulk	Not transported in bulk.



Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Flammable liquid, category 2; Skin corrosion/irritation, category 2; Serious eye damage/irritation, category 2; Respiratory sensitization, category 1; Carcinogenicity, category 1B; Aspiration hazard, category 1; Hazard to aquatic environment, category 2

Signal word Danger

Hazard Pictograms



Hazard Statements H225, H315, H319, H334, H350, H304, H411
Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause cancer. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

Precautionary Statements P210, P233, P280, P403+P235, P260
Keep away from heat / sparks/open flames/hot surfaces - No smoking. Keep container tightly closed. Wear protective gloves / protective clothing / eye protection. Store in a well ventilated place. Keep cool. Do not breathe fume/vapours.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

Revision number: 1.1 (Supercedes revision 1.0)

Revision date: 16 April 2021

Reviewed by chemist: 16 April 2021

Printed date: 12 August 2023

Copyright: 2023 Vickers Laboratories Ltd