

**CHEMIPHASE LTD
SAFETY DATA SHEET**



EMULSION BREAKER 210

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY UNDERTAKING

PRODUCT NAME: EMULSION BREAKER 210

PRODUCT Description: Concentrated Oil Based Demulsifier **-NEW FORMULATION MARCH 2005**

APPLICATION BIO DIESEL PRODUCTION

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2. COMPOSITION INFORMATION ON INGREDIENTS

NAME	EC No	CAS No	CONTENT	CLASSIFICATION
2-BUTOXYETHANOL	203-905-0	111-76-2	8-15%	XnR20/21/22 Xi,R36/38
XYLENE	215-535-7	1330-20-7	15-22%	R10 Xn, R10/R20/21 Xi, R38 & S16

The Full Text for all R- Phrases are displayed in Section 16

3. HAZARDS IDENTIFICATION

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin.

CLASSIFICATION Xn; R20/21/22. Xi;R36/38

4. FIRST AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION

Move the exposed person to fresh air at once. If respiratory problems, artificial respiration/oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. **DO NOT** induce vomiting. Get medical attention immediately.

SKIN CONTACT

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention immediately.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Powder, Carbon dioxide (CO₂). Water spray. Foam

SPECIAL FIRE FIGHTING PROCEDURES

Avoid water in straight hose stream; will scatter and spread fire. Use water to keep fire exposed containers cool and disperse vapours. Keep run-off water out of sewers and water sources. Dike for water control.

SPECIFIC HAZARDS

By heating and fire, irritating vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Wear personal protective equipment. Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Provide adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, watercourses or onto the ground.

SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE

Usage precautions

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool dry well-ventilated place. Use container made of : Stainless steel. Suitable plastic material. Do NOT use container made of: Carbon steel.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Name	Std	LT - ppm	LT – mg/m ³	ST - ppm	ST – mg/m ³
XYLENE	OES	50 ppm (Sk)	220 mg/m ³ (Sk)	100 ppm(Sk)	441 mg/m ³ (Sk)
2-BUTOXYETHANOL	OES	25 PPM(Sk)		50 ppm(Sk)	

INGREDIENT COMMENTS

OES = Occupational Exposure Standard. 2 – Butoxyethanol (EGMBE) has a Biological Monitoring Guidance Value. See UK HSE EH40 Table 3

PROTECTIVE EQUIPMENT

Goggles and Gloves

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists. Wear respiratory protection with combination filter (dust and gas filter).

HAND PROTECTION

Use protective gloves. Rubber, neoprene or PVC. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

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. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Slightly hazy		
ODOUR:	Slight Aromatic	Boiling Point/ range (°C)	137-143
MELTING POINT (°C)	Pour Point , -20	RELATIVE DENSITY	· 0.990 @ 20°C
Ph, VALUE, DILUTED SOLUTION	6.5-8.5, 5% in water	VISCOSITY	< 100 mPas @ 20°C
FLASH POINT (°C)	25	AUTOFlammability (°C)	480

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition

MATERIAL TO AVOID

Strong oxidising substances. Strong acids

HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO₂) are formed.

11. TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 – LD50 >4000 mg/kg (oral rat)

INHALATION

Harmful by inhalation. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Upper respiratory irritation. Vapours may cause headache, fatigue, dizziness and nausea.

INGESTION

Harmful if swallowed. Gastrointestinal symptoms, including upset stomach. May cause nausea, headache, dizziness and intoxication.

SKIN CONTACT

Harmful in contact with skin. Irritating to skin.

EYE CONTACT

Irritating to eyes. Spray and vapour in the eyes may cause irritation and smarting.

Other Health Effects

No sensitising effects known.

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.

MOBILITY

The product is insoluble in water

BIOACCUMULATION

No data available

DEGRADABILITY

The product is expected to be biodegradable

WATER HAZARD CLASSIFICATION

WGK 1

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Empty containers should be taken for local recycling, recovery or waste disposal

DISPOSAL METHODS

Recover and reclaim or recycle, if practical. Do not allow runoff to sewer, waterway or ground. Dispose of waste and residues in accordance with local authority requirements.

WASTE CLASS

For this product, in accordance with the European Waste Catalogue (EWC), a catalogue number cannot be given because the customer has to lay down the purpose first. The catalogue number has to be given according to the local waste removal processes.

14. TRANSPORT INFORMATION

GENERAL

ADR/RID

UN no: 1307

ADR Class: 3

Packing Group: III

Classification code: F1

Shipping name n/a

Labelling: 3
IMDG/IMO

Hazard ID no: 30
UN no: 1307 Class: 3

Packing Group: III

EMS:F-E, S-D

Marine Pollutant: NO

Labelling: 3

IATA/ICAO

UN no: 1307 Class: 3

Packing Group: III

Packing Instructions; 309(p&CA):310(CAO)

Marine Pollutant: NO

Labelling: 3

15. REGULATORY INFORMATION

LABELLING



Harmful

CONTAINS

2-BUTOXYETHANOL, Xylene

RISK PHRASES

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed

R10 Flammable
R36/38 Irritating to eyes and skin

SAFETY PHRASES

S36/37 Wear suitable protective clothing and gloves

S16 Keep away from sources of ignition—NO SMOKING
S60 This material and its container must be disposed of as hazardous waste

S23 Do not breathe vapour/spray

S26 In case of contact with eyes, rinse immediately with plenty of water and see medical advice

S51 Use only in well-ventilated areas

S24/25 Avoid contact with skin and eyes

UK REGULATORY REFERENCES

Approved Supply List

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Occupational Exposure Limits EH40. Approved guide to the classification and labelling of substances and preparations dangerous for supply.

16. OTHER INFORMATION

REVISION COMMENTS

General revision

ISSUED BY

CES

REVISION DATE MARCH 2008

REVISED SDS GENERATED MARCH 2005

RISK PHRASES IN FULL

R10	Flammable
R20/21	Harmful by inhalation and in contact with skin
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R36/38	Irritating to eyes and skin
R38	Irritating to skin

DISCLAIMER

The information provided in this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.