



SAFETY DATA SHEET

BITTER ALMOND OIL - FEMA 2046

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

PRODUCT NAME BITTER ALMOND OIL - FEMA 2046

PRODUCT NO. FEMA 2046

BAO

EMERGENCY INFORMATION OUT OF OFFICE HOURS, PLEASE CONTACT CARECHEM 24: +44 (0)1270 502891 OR +44 (0)1865 407333

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2 HAZARDS IDENTIFICATION

HAZARD ID Harmful if swallowed.

CLASSIFICATION Xn;R22.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name NATURAL BENZALDEHYDE

EC No.

CAS-No. 8013-76-1

Content 60-100%

Classification Xn;R22.

RISK PHRASES R22

EC No. 291-060-9

GROSS FORMULA C7H6O

CAS-No. 8013-76-1

4 FIRST-AID MEASURES

INHALATION Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention.

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 promptly if symptoms occur after washing.

EYE CONTACT Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA Foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES Use supplied air respirator if product is involved in a fire. Use special protective clothing. Regular protection may not be safe.

UNUSUAL FIRE & EXPLOSION HAZARDS May develop highly toxic or corrosive fumes if heated.

PROTECTIVE MEASURES IN FIRE Wear full protective clothing. Use air-supplied respirator during fire fighting.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS DO NOT touch spilled material. Shovel into dry containers. Cover and move the containers. Flush the area with water. Do not contaminate water sources or sewer. Avoid contact with skin or inhalation of spillage, dust or vapour.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS Keep away from heat, sparks and open flame. Eye wash facilities and emergency shower must be available when handling this product.

STORAGE PRECAUTIONS Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays.

STORAGE CLASS Unspecified storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS No exposure limits noted for ingredient(s).

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS	Use engineering controls to reduce air contamination to permissible exposure level.
ENGINEERING MEASURES	Provide adequate general and local exhaust ventilation.
RESPIRATORY EQUIPMENT	Wear respiratory protection if LEV insufficient and misting is likely. Suitable respiratory protection must be used at high concentrations.
HAND PROTECTION	Use protective gloves. Obtain the appropriate professional advice taking into account of the conditions under which the glove is used.
EYE PROTECTION	Wear approved chemical safety goggles where eye exposure is reasonably probable.
OTHER PROTECTION	Provide eyewash station and safety shower.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Colourless-pale yellow liquid
COLOUR	Colourless to pale yellow
ODOUR	Almond.
SOLUBILITY	Insoluble in water Soluble in Methanol. Ethanol.
BOILING POINT (°C)	179
MELTING POINT (°C)	-26
RELATIVE DENSITY	1.035-1.055 @ 20 °c
FLASH POINT (°C)	62 Not noted.
AUTO IGNITION	190
TEMPERATURE (°C)	
FLAMMABILITY LIMIT - LOWER(%)	1.4
FLAMMABILITY LIMIT - UPPER(%)	8.5
REFRACTIVE INDEX	1.535-1.555

10 STABILITY AND REACTIVITY

STABILITY	Stable under normal temperature conditions.
CONDITIONS TO AVOID	Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.
MATERIALS TO AVOID	Acids, oxidising. Bases, alkalis (inorganic). Strong oxidising substances. Iron and iron salts, aluminium and brass. Performic acids, phenols, air, oxygen, alkali metals
HAZARDOUS DECOMPOSITION PRODUCTS	Toxic gases/vapours/fumes of: Carbon monoxide (CO). Hydrocarbons. Carbon dioxide (CO ₂).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 1300 mg/kg (oral rat)

TOXIC DOSE 2 - LD 50	>1250 mg/kg (skn-rbt)
INHALATION	May cause irritation to the respiratory system.
INGESTION	May cause discomfort if swallowed.
SKIN CONTACT	Skin irritation is not anticipated when used normally.
EYE CONTACT	Irritation of eyes and mucous membranes.
ROUTE OF ENTRY	Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.
TARGET ORGANS	Eyes. Gastro-intestinal tract. Liver. Respiratory system, lungs. Skin. Mucous membranes.

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.
LC 50, 96 Hrs, FISH mg/l	I. MACHROCHIRUS 1.07

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Do not allow runoff to sewer, waterway or ground. Recover and reclaim or recycle, if practical. Incinerate in suitable combustion chamber. Dispose of waste and residues in accordance with local authority requirements.
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14 TRANSPORT INFORMATION

GENERAL	LQ NUMBER: 28
	EXCEPTED QUANTITY: E1

TRANSPORT LABELS



UK ROAD CLASS	9
PROPER SHIPPING NAME	BENZALDEHYDES N.O.S (NATURAL BENZALDEHYDE)
UN NO. ROAD	1990
UK ROAD PACK GR.	III
ADR CLASS NO.	9
ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III
TUNNEL RESTRICTION CODE	(E)
HAZARD NO. (ADR)	90 Environmentally hazardous substance; miscellaneous dangerous substances.
UN NO. SEA	1990
IMDG CLASS	9
IMDG PACK GR.	III
UN NO. AIR	1990
AIR CLASS	9
AIR PACK GR.	III

15 REGULATORY INFORMATION

15 REGULATORY INFORMATION

Harmful

RISK PHRASES

R22 Harmful if swallowed.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.

16 OTHER INFORMATION

GENERAL INFORMATIONDISCLAIMER: This safety data sheet 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made 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.

INFORMATION SOURCES Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS Revision due to amendment of contents in section: 1, 9, 11, 12, 14, 16.

REVISION DATE 06-09

REV. NO./REPL. SDS 001

GENERATED

SDS NO. 10836

DATE 06-09

RISK PHRASES IN FULL Harmful if swallowed.