



CHEMIPHASE LTD
SAFETY DATA SHEET
ALLKlear400

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY UNDERTAKING

PRODUCT NAME: ALLKlear 400

PRODUCT Description: Biodiesel Additive - NEW FORMULATION NOVEMBER 2006

APPLICATION BIODIESEL

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2. COMPOSITION INFORMATION ON INGREDIENTS

NAME	Einecs No	CAS No	PERCENTAGE BY WEIGHT	CLASSIFICATION
Sodium dodecylbenzene sulphonate		251-55-30-0	2-12%	R22, 38, 41
Methyl Alcohol Carbinol	200-659-6	67-56-1	18-24%	R11,23/24/25

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

3. HAZARDS IDENTIFICATION

Main Hazards: Highly flammable. Toxic by inhalation, in contact with skin and if swallowed.
 Toxic danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
 Other Hazards: In use may form flammable/explosive vapour-air mixture,

4. FIRST AID MEASURES

GENERAL INFORMATION

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

INHALATION

Remove exposed person to fresh air if adverse effects are observed. If breathing is laboured administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists or if toxic symptoms are observed, get medical attention.

INGESTION

DO NOT INDUCE VOMITTING. If conscious, give 2 glasses of water. Get immediate medical attention.

SKIN CONTACT

Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse.

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: CARBON DIOXIDE, Dry chemical powder.

FLASH POINT

FIRE FIGHTING PROCEDURES

Recommend wearing self-contained breathing apparatus.

UNUSUAL FIRE & EXPOSURE HAZARDS Fire causes formation of toxic gases.

HAZARDOUS DECOMPOSITION PRODUCTS: Fire Creates. Vapours/gases/fumes of carbon dioxide. Sulphur dioxide

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES

Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Remove sources of ignition. Ventilate spill area. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labelling (DOT/CERCLA) and other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

7. HANDLING AND STORAGE

PUMPING TEMPERATURE	Not determined. SMOKING is FORBIDDEN, EARTH ANY EQUIPMENT USED IN HANDLING.
MAXIMUM HANDLING TEMPERATURE	Not determined.
HANDLING PROCEDURES	Open container in a well ventilated area. Avoid spillages. Avoid breathing vapours. Keep containers closed when not in use. Wash thoroughly after handling. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flames, spark or other sources of ignition.
MAXIMUM STORAGE TEMPERATURE	DO NOT USE container made of steel
STORAGE PROCEDURES	Do not store near potential sources of ignition. Store in well ventilated place.
LOADING TEMPERATURE	

8. EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE LIMITS – NO EXPOSURE LIMITS NOTED FOR INGREDIENTS

Name	CAS No.	LONG TERM (8 Hours T.W.A.)	SHORT TERM (15 mins.)
methanol		266mg/m3	333 mg/m3

Not applicable.

- (s) Skin exposure
- (p) Proposed limit
- (c) Ceiling exposure
- (l) Recommended exposure limit
- (u) Supplier recommended exposure limit
- (N/E) – None established

OTHER EXPOSURE LIMITS: RESPIRATORS: No specific recommendations made, but respiratory protection may be required under exceptional circumstances where exceptional air contamination exists.

ENGINEERING CONTROLS: Use local exhaust ventilation to control mists or vapours. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.

HAND PROTECTION: Nitrile

EYE PROTECTION: Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

RESPIRATORY PROTECTION: Use full face respirator with a combination organic vapour and high efficiency filter cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

CLOTHING

RECOMMENDATION: Long sleeve shirt is recommended. Wear either a chemical protective suit or apron when potential for contact with material exists. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point

Upper Flammable %	38.5
Lower Flammable %	4.4
Autoignition Point	385 degC
Vapour Pressure	54.6 kPa@50degC
pH	6-9
Specific Gravity	1.1 (20 °C)
Relative Density	0.790
Water Solubility	soluble
Percent Solid	Not Determined
Percent Volatile	Unknown
Percent VOC	Not Determined
Vapour Density	Not Determined
Evaporation Rate	Not Determined
Colour	Amber

Appearance	Amber coloured liquid
Viscosity	
Odour Threshold	Unknown
Boiling Point	64-66 degC
Pour Point Temperature	Not Determined
Melting/freezing Point	Not Determined

The above data are typical values and do not constitute a specification

10. STABILITY AND REACTIVITY

STABILITY	Material is normally stable at moderately elevated temperatures and pressures.
DECOMPOSITION TEMPERATURE	Not Determined avoid heat
INCOMPATIBILITY	Strong oxidising agents/strong acids metals-magnesium/sodium
THERMAL DECOMPOSITION	Sulphuric acid, Sulphur oxide, carbon dioxide and other products of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

-ACUTE EXPOSURE-

EYE IRRITATION	Weak to moderate eye irritant. Does not meet EU R36 criteria. Based on data from components and similar materials.
SKIN IRRITATION	May cause skin irritation, based on data from components or similar materials. Not expected to meet EU R38 criteria. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
RESPIRATORY IRRITATION	Nose, throat and lung irritant. Based on data from components or similar materials.
DERMAL TOXICITY	No specific health warnings noted
INHALATION TOXICITY	No specific health warnings noted
ACUTE TOXICITY	ORL RAT LC50 5620 MG/KG
DERMAL SENSITISATION	No data available to indicate product or components may be a skin sensitiser.
INHALATION SENSITISATION	No data available to indicate product or components may be respiratory sensitiser.

12. ECOLOGICAL INFORMATION

-ENVIRONMENTAL TOXICITY-

DEGRADABILITY:	BIODEGRADABLE
FRESHWATER FISH TOXICITY	not Determined
FRESHWATER INVERTEBRATES TOXICITY	Not Determined.
ALGAE TOXICITY	Not Determined.
SALTWATER FISH TOXICITY	Not Determined.
SALTWATER INVERTEBRATES TOXICITY	Not Determined.
BACTERIA TOXICITY	toxic to aquatic organisms. Toxic to fauna
MISCELLANEOUS TOXICITY	Not Determined.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	This material, if discarded,. Dispose of in accordance with local authority requirements
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14. TRANSPORT INFORMATION

ICAO/IATA (International)	Not regulated
PACKAGING GROUP	II
USCG Compatability	Not determined
ADR/RID	CLASS 3 FTI
ADR/RID Hazard ID No.	336
UN no	1230

Review classification requirements before shipping materials at elevated temperatures

15. REGULATORY INFORMATION

SYMBOL(s)	Highly Flammable/toxic
INDICATION OF DANGER	toxic
PRECAUTIONARY LABELS	
EEC EINECS	200-659-6
RELEVANT R PHRASES	R11 – Highly flammable R23/24/25 – Toxic by inhalation, in contact with skin and if swallowed. R39/23/24/25: - Toxic, danger of very serious irreversible effects through inhalation, contact with skin and if swallowed. S-36/37/39- Wear suitable protective clothing gloves and eye/face protection S38: - In case of poor ventilation wear suitable respiratory equipment S45: - In case of accident or if you feel unwell, seek medical advice immediately S63: - In case of accident by inhalation remove casualty to fresh air and keep at rest.

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 NOVEMBER 2006

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 to 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.

