

SAFETY DATA SHEET

NON-SILICONE HEAT TRANSFER COMPOUND

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: NON-SILICONE HEAT TRANSFER COMPOUND

PART No.: EHTC-BULK

SUPPLIER: ELECTROLUBE. A division of HK WENTWORTH LTD
KINGSBURY PARK, MIDLAND ROAD
MIDLAND ROAD, SWADLINCOTE
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME		CLASSIFICATION	CONTENT
CAS No.:	EINECS Nr.:		
C7-C9 Branched alkyl esters			0-1 %
125643-61-0		N R-51/53	
ZINC OXIDE			60-100 %
1314-13-2		N R-50/53	

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

3. HAZARDS IDENTIFICATION:

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES:

INHALATION: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Get medical attention.

SKIN: Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

EYES: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: This material is not flammable. Use extinguishing media appropriate for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS: Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS: Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS: Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT COMMENTS: OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:



VENTILATION: Provide sufficient ventilation during operations which cause vapour formation.

RESPIRATORS: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

PROTECTIVE GLOVES: Use protective gloves.

EYE PROTECTION: Wear approved chemical safety goggles where eye exposure is reasonably probable.

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

HYGIENIC WORK PRACTICES: 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 & water if skin becomes contaminated. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Paste or slurry.

COLOUR: White.

ODOUR/TASTE: No characteristic odour.

BOILING POINT (°C, interval): >250

Pressure:

MELT./FREEZ. POINT (°C, interval): 1970

DENSITY/SPECIFIC GRAVITY (g/ml): 2.04

Temperature (°C): 20

SOLUBILITY DESCRIPTION: Insoluble in water.

FLASH POINT (°C): 230

Method: CC (Closed cup).

AUTO IGNITION TEMP. (°C): 425

10. STABILITY AND REACTIVITY:

STABILITY: Normally stable.

CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition.

11. TOXICOLOGICAL INFORMATION:

INGESTION: May cause stomach pain or vomiting.

HEALTH WARNINGS: No specific health warnings noted. No specific acute or chronic health impact noted, but this chemical may still have adverse impact on human health, either in general or on certain individuals with pre-existing or latent health problems.

OTHER HEALTH EFFECTS: This substance has no evidence of carcinogenic properties.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION: Dangerous for the environment if discharged into watercourses.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS: Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:



UN No. ROAD: 3077

UK ROAD TRANSPORT CLASS: 9

UK ROAD PACK GR.: III

ADR CLASS No.: 9

ADR CLASS: Class 9: Miscellaneous dangerous substances and articles.

ADR ITEM No.: III

ADR MARGINAL: 2901

ADR LABEL No.: 9

HAZCHEM CODE: 2X

CEFIC TEC(R) No.: 90GM7-III

PROPER SHIPPING NAME I: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE, C7-C9 Branched alkyl esters)

RID CLASS No.: 9

RID ITEM No.: III

UN No. SEA: 3077

IMDG CLASS:	9
IMDG PACK GR.:	III
EmS No.:	F-A; S-F
MFAG TABLE No.:	See Guide
MARINE POLLUTANT:	No.
UN No., AIR:	3077
ICAO CLASS:	9
AIR PACK GR.:	III

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES:	R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
SAFETY PHRASES:	S-60 This material and its container must be disposed of as hazardous waste. S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.
UK REGULATORY REFERENCES:	Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972. Fire precautions Act 1971. Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988.
ENVIRONMENTAL LISTING:	Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980. Control of Pollution Act 1974.
EU DIRECTIVES:	System of specific information relating to Dangerous Preparations. 91\155. Dangerous Substance Directive 67\548. Dangerous Preparations Directive 88\379.
STATUTORY INSTRUMENTS:	Chemicals (Hazard Information and Packaging) Regulations. 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 L62.
GUIDANCE NOTES:	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. OTHER INFORMATION:

USER NOTES:	CN No 28170000
REVISION COMMENTS:	Revised in accordance with CHIP3 and EU Directive 1999/45/EC
ISSUED BY:	Helen O'Reilly
REVISION DATE:	MAY 2003
REV. No./REPL. SDS GENERATED:	0
SDS No.:	10467
DISCLAIMER:	This 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. The information contained in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for the safe handling, use, processing,

storage, transportation, disposal and release and is not to be considered a warranty or quality specification

R-PHRASES (Full Text):

R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.