



**SAFETY DATA SHEET**  
**NON-SILICONE HEAT TRANSFER COMPOUND**

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

**PRODUCT NAME** NON-SILICONE HEAT TRANSFER COMPOUND  
**PRODUCT NO.** EHTC35SL/ 700G/ 02S/ 10S/ 20S/ 01K/ 25K  
**APPLICATION** Heat Dissipation  
**SUPPLIER** ELECTROLUBE. A division of  
 HK WENTWORTH LTD  
 KINGSBURY PARK, MIDLAND  
 ROAD  
 SWADLINCOTE  
 DERBYSHIRE, DE11 0AN  
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**2 HAZARDS IDENTIFICATION**

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

**CLASSIFICATION** N;R50/53.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
ZINC OXIDE	215-222-5	1314-13-2	60-80%	N;R50/53
C7-C9 Branched alkyl esters	406-040-9	125643-61-0	<0.5%	N;R51/53.

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

**COMPOSITION COMMENTS**

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels

**4 FIRST-AID MEASURES**

**NOTES TO THE PHYSICIAN**

Treat symptomatically

**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 CONTACT**

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.

**EYE CONTACT**

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 product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

## NON-SILICONE HEAT TRANSFER COMPOUND

### 6 ACCIDENTAL RELEASE MEASURES

#### SPILL CLEAN UP 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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

#### PROTECTIVE EQUIPMENT



#### ENGINEERING MEASURES

Not relevant.

#### RESPIRATORY EQUIPMENT

Respiratory protection not required.

#### HAND PROTECTION

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Butyl rubber gloves are recommended.

#### 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.

#### 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 & water if skin becomes contaminated. When using do not eat, drink or smoke.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Paste		
COLOUR	White		
ODOUR	No characteristic odour.		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	>250 (482 F)	RELATIVE DENSITY	2.04 @ 20 °c (68 F)
FLASH POINT (°C)	230 (446 F) CC (Closed cup).	AUTO IGNITION TEMPERATURE (°C)	425 (797F)
VOLATILE ORGANIC COMPOUND (VOC)	0 g/litre		

### 10 STABILITY AND REACTIVITY

#### STABILITY

Stable under normal temperature conditions.

#### CONDITIONS TO AVOID

Not known.

### 11 TOXICOLOGICAL INFORMATION

### NON-SILICONE HEAT TRANSFER COMPOUND

#### TOXICOLOGICAL INFORMATION

No information available.

#### 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

#### ECOTOXICITY

Dangerous for the environment if discharged into watercourses.

### 13 DISPOSAL CONSIDERATIONS

#### GENERAL INFORMATION

Waste is classified as hazardous waste.

#### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

### 14 TRANSPORT INFORMATION



<b>UK ROAD CLASS</b>	9		
<b>PROPER SHIPPING NAME</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE)		
<b>UN NO. ROAD</b>	3077	<b>UK ROAD PACK GR.</b>	III
<b>ADR CLASS NO.</b>	9	<b>ADR CLASS</b>	Class 9: Miscellaneous dangerous substances and articles.
<b>ADR PACK GROUP</b>	III	<b>HAZARD No. (ADR)</b>	90
<b>ADR LABEL NO.</b>	9	<b>HAZCHEM CODE</b>	2Z
<b>CEFIC TEC(R) NO.</b>	90GM7-III	<b>RID CLASS NO.</b>	9
<b>RID PACK GROUP</b>	III	<b>UN NO. SEA</b>	3077
<b>IMDG CLASS</b>	9	<b>IMDG PACK GR.</b>	III
<b>EMS</b>	F-A, S-F	<b>MFAG</b>	See Guide
<b>MARINE POLLUTANT</b>	No.	<b>UN NO. AIR</b>	3077
<b>AIR CLASS</b>	9	<b>AIR PACK GR.</b>	III

### 15 REGULATORY INFORMATION

#### SYMBOLS



Dangerous for the environment

#### RISK PHRASES

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**NON-SILICONE HEAT TRANSFER COMPOUND****SAFETY PHRASES**

S57	Use appropriate containment to avoid environmental contamination.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

**UK REGULATORY REFERENCES**

Chemicals (Hazard Information & Packaging) Regulations.

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. 2001/58/EC.

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**APPROVED CODE OF PRACTICE**

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

**GUIDANCE NOTES**

Workplace Exposure Limits EH40.

**16 OTHER INFORMATION****REVISION COMMENTS**

Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC

**ISSUED BY**

Helen O'Reilly

**REVISION DATE** NOVEMBER 2008

**REV. NO./REPL. SDS** 7

**GENERATED**

**SDS NO.** 10484

**RISK PHRASES IN FULL**

R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**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. 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.