

## SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Safety data sheet according to Regulation (EC) 2020/878

Revision date 06/02/2024 Revision Number 1.94

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name Non-Silicone Heat Transfer Compound

Product Code(s) HTC, EHTC02S, EHTC10S, EHTC20S, EHTC35SL, EHTC100T, EHTC700G,

EHTC01K, EHTC12.5K, ZE

Safety data sheet number 00511

Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

**FRANCE** 

Recommended use Heat Dissipation

Uses advised against No specific uses advised against are identified

1.3. Details of the supplier of the safety data sheet

<u>Manufacturer</u> <u>Supplier</u>

ELECTROLUBE HK WENTWORTH LIMITED MacDermid Alpha Electronics Solutions ASHBY PARK, COALFIELD WAY, 91540 MENNECY

ASHBY DE LA ZOUCH, LEICESTERSHIRE LE65 1JR

UNITED KINGDOM +33 (0) 1 82 88 47 94

+44 (0)1530 419600 info@electrolube.com +44 (0)1530 416640

+44 (0)1530 416640 info@electrolube.com

For further information, please contact

E-mail address info@electrolube.com

1.4. Emergency telephone number

Emergency Telephone POISON INFORMATION CENTRE (Beaumont Hospital, Republic of Ireland only) +353 (0)1

809 2166 (08:00 - 22:00)

Emergency Telephone - IN CASE OF EMERGENCY CALL: +44 1865 407333 (24hr, Provided by Carechem 24)

## **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

- Non-Silicone Heat Transfer Compound

Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

### 2.2. Label elements



## Signal word

Warning

#### **Hazard statements**

H410 - Very toxic to aquatic life with long lasting effects

### Precautionary Statements - EU (§28, 1272/2008)

P273 - Avoid release to the environment.

P391 - Collect spillage.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Unknown aquatic toxicity

Contains 0 % of components with unknown hazards to the aquatic environment.

#### 2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**Endocrine Disruptor Information** 

This product does not contain any known or suspected endocrine disruptors.

## **SECTION 3: Composition/information on ingredients**

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	Weight-%	·	`	Classification according		M-Factor	M-Factor
		number	Index No)	to Regulation (EC) No. 1272/2008 [CLP]	concentration limit (SCL)		(long-term)
zinc oxide	60-100	01-2119463881-32-00	215-222-5	Aquatic Chronic 1	-	-	-
1314-13-2		00		(H410) Aguatic Acute 1 (H400)			
Dinhanulamina	<0.1	No data available	204-539-4				
Diphenylamine 122-39-4	<0.1	ino data avallable	204-539-4	Aquatic Chronic 1 (H410)	-	-	-
				STOT RE 2 (H373)			
				Aquatic Acute 1 (H400)			
				Acute Tox. 3 (H311)			
				Acute Tox. 3 (H301)			

## EHTC100T, EHTC700G, EHTC01K, EHTC12.5K, ZE

**Non-Silicone Heat Transfer Compound** 

	A outo Toy 2 (U221)		
	Acute Lox. 3 (H331)		
	, touto 10x1 o (11001)		

### Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

Chemical name	Oral LD50 mg/kg	Dermal LD50	Inhalation LC50 - 4	Inhalation LC50 - 4	Inhalation LC50 - 4
		mg/kg	hour - dust/mist - mg/L	hour - vapour - mg/L	hour - gas - ppm
zinc oxide 1314-13-2	5000	2000	5.7	No data available	No data available
Diphenylamine 122-39-4	1120	2000	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a doctor.

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a Skin contact

doctor.

Rinse mouth. Ingestion

4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

None. **Effects of Exposure** 

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Do not scatter spilled material with high pressure water streams. Unsuitable extinguishing media

- Non-Silicone Heat Transfer Compound

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

No information available.

chemical

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Use personal protection equipment.

## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Advice on safe handling** Ensure adequate ventilation.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510) LGK 10.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

- Non-Silicone Heat Transfer Compound

## **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

**Exposure Limits** 

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	European	Union	Austria	Belgium	Bulg	aria	Croatia
zinc oxide 1314-13-2	-		TWA: 5 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	STEL: 10 TWA: 5.0		TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Diphenylamine 122-39-4	-		TWA: 0.7 ppm TWA: 5 mg/m³ STEL 1.4 ppm STEL 10 mg/m³ H*	TWA: 10 mg/m <sup>3</sup>	TWA: 10	) mg/m³	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
Chemical name	Cypr	us	Czech Republic	Denmark	Esto		Finland
zinc oxide 1314-13-2	1		TWA: 2 mg/m <sup>3</sup> Ceiling: 5 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup> STEL: 8 mg/m <sup>3</sup>	TWA: 5	Ü	TWA: 2 mg/m³ STEL: 10 mg/m³
Diphenylamine 122-39-4	1		TWA: 10 mg/m <sup>3</sup> Ceiling: 20 mg/m <sup>3</sup> D*	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 10	) mg/m³	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Chemical name	Fran		Germany TRGS	Germany DFG	Gre		Hungary
zinc oxide 1314-13-2	TWA: 5 i TWA: 10	mg/m³	-	TWA: 0.1 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> Peak: 0.4 mg/m <sup>3</sup> Peak: 4 mg/m <sup>3</sup>	TWA: 5 STEL: 10	O mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
Diphenylamine 122-39-4	TWA: 10	mg/m³	TWA: 5 mg/m³ H*	TWA: 5 mg/m <sup>3</sup> Peak: 10 mg/m <sup>3</sup>	TWA: 10 STEL: 20		-
Chemical name	Irela	nd	Italy MDLPS	Italy AIDII	Lat	via	Lithuania
zinc oxide 1314-13-2	TWA: 2 i STEL: 10		-	TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 0.	5 mg/m³	TWA: 5 mg/m <sup>3</sup>
Diphenylamine 122-39-4	TWA: 10 STEL: 20		-	TWA: 10 mg/m <sup>3</sup>	-		STEL: 12 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>
Chemical name	Luxemb	ourg	Malta	Netherlands	Nor		Poland
zinc oxide 1314-13-2	-		-	-	TWA: 5 STEL: 10	0 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Diphenylamine 122-39-4	1		-	-	TWA: 5 STEL: 10	0 mg/m <sup>3</sup>	TWA: 8 mg/m <sup>3</sup>
Chemical name	Portu		Romania	Slovakia	Slove	enia	Spain
zinc oxide 1314-13-2	TWA: 2 i STEL: 10	mg/m³	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> Ceiling: 1 mg/m <sup>3</sup>	-		TWA: 2 mg/m³ STEL: 10 mg/m³
Diphenylamine 122-39-4	TWA: 10	mg/m³	TWA: 4 mg/m³ STEL: 6 mg/m³	-	TWA: 5 STEL: 10 K	0 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
Chemical name			Sweden	Switzerlar		Un	ited Kingdom
zinc oxide 1314-13-2	1314-13-2		NGV: 5 mg/m <sup>3</sup>	TWA: 3 mg. STEL: 3 mg	/ <b>m</b> <sup>3</sup>		-
122-39-4		1	ande KGV: 12 mg/m <sup>3</sup> NGV: 4 mg/m <sup>3</sup>	H* `		TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>	

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Diphenylamine	-	10 g/dL Hemoglobin	-	-	-

- Non-Silicone Heat Transfer Compound

122-39-4	(blood - not
	provided)
	12 g/dL Hemoglobin
	(blood - not
	provided)
	79 - 97 fL mean
	corpuscular volume
	(blood - not
	provided)
	3.2 million/µL
	Erythrocytes (blood -
	not provided)
	3.8 million/µL
	Erythrocytes (blood -
	not provided)
	4000 Leukocytes/µL
	(blood - not
	provided)
	13000
	Leukocytes/µL
	(blood - not
	provided)
	130000
	Thrombocytes/µL
	(blood - not
	provided)
	150000
	Thrombocytes/µL
	(blood - not
	provided)
	<=50 U/I ( - Serum
	transaminases
	SGOT not provided)
	<=35 U/I ( - Serum
	transaminases
	SGOT not provided)
	<=50 U/I ( - Serum
	transaminases
	SGPT not provided)
	<=35 U/I ( - Serum
	transaminases
	SGPT not provided)
	<=66 U/I ( - Serum
	transaminases GGT
	not provided)
	<=39 U/I ( - Serum
	transaminases GGT
	not provided)
	(urine - one time
	yearly urine
	cytological
	examination)
	examination)

## Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Chemical hame	Olai	Deliliai	IIIIIalation

- Non-Silicone Heat Transfer Compound

Chemical name	Oral	Dermal	Inhalation
zinc oxide	-	83 mg/kg bw/day [4] [6]	5 mg/m³ [4] [6]
1314-13-2			0.5 mg/m³ [5] [6]

**Notes** 

[4] Systemic health effects.[5] Local health effects.

[6] Long term.

### Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
zinc oxide 1314-13-2	0.83 mg/kg bw/day [4] [6]	-	2.5 mg/m³ [4] [6]

**Notes** 

[4] Systemic health effects.

[6] Long term.

## **Predicted No Effect Concentration (PNEC)**

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
zinc oxide 1314-13-2	20.6 μg/L	-	6.1 µg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
zinc oxide 1314-13-2	117.8 mg/kg sediment dw	56.5 mg/kg sediment dw	100 μg/L	35.6 mg/kg soil dw	-

#### 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

**Eye/face protection** No special protective equipment required.

**Skin and body protection**No special protective equipment required.

**Respiratory protection**No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** No information available.

- Non-Silicone Heat Transfer Compound

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid **Appearance** Paste Colour white Odour Odourless.

**Odour threshold** No information available

Values Remarks • Method Property

No data available Melting point / freezing point None known Initial boiling point and boiling rangeNo data available None known **Flammability** No data available None known Flammability Limit in Air None known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits Flash point

No data available None known **Autoignition temperature Decomposition temperature** None known No data available None known pН pH (as aqueous solution) No data available None known Kinematic viscosity No data available None known

No data available

None known

**Dynamic viscosity** 202-205 Pa s @ 20°C/68°F

Water solubility Insoluble in water None known Solubility(ies) No data available None known Partition coefficient No data available None known Vapour pressure No data available None known

Relative density 2.04 @ 20°C/68°F **Bulk density** No data available **Liquid Density** No data available No data available

Relative vapour density None known

**Particle characteristics** 

No information available **Particle Size** No information available **Particle Size Distribution** 

#### 9.2. Other information

9.2.1. Information with regards to physical hazard classes

Explosive properties Not considered to be explosive.

**Oxidising properties** Does not meet the criteria for classification as oxidizing.

9.2.2. Other safety characteristics

No information available

## SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stable under normal conditions. Stability

- Non-Silicone Heat Transfer Compound

**Explosion data** 

Sensitivity to mechanical impact None. Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions 
None under normal processing.

10.4. Conditions to avoid

**Conditions to avoid**None known based on information supplied.

10.5. Incompatible materials

**Incompatible materials**None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

## SECTION 11: Toxicological information

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

Acute toxicity

**Numerical measures of toxicity** 

Based on available data, the classification criteria are not met

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 5,021.20 mg/kg ATEmix (inhalation-dust/mist) 5.724 mg/l

**Component Information** 

Chemical name Oral LD50		Dermal LD50	Inhalation LC50
zinc oxide	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5700 mg/m³ (Rat) 4 h
Diphenylamine	= 1120 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-

- Non-Silicone Heat Transfer Compound

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation**Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

**STOT - repeated exposure**Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

## 11.2. Information on other hazards

## 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** The substance/mixture does not contain components considered to have endocrine

disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

11.2.2. Other information

Other adverse effects No information available.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

**Unknown aquatic toxicity**Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
zinc oxide	-	LC50: =1.55mg/L (96h,	-	-
		Danio rerio)		
Diphenylamine	EC50: =1.5mg/L (72h,	LC50: 3.47 - 4.14mg/L	-	EC50: 1.69 - 2.46mg/L
	Scenedesmus	(96h, Pimephales		(48h, Daphnia magna)

- Non-Silicone Heat Transfer Compound

subspicatus) promelas)

## 12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

Chemical name	Partition coefficient
Diphenylamine	3.4

#### 12.4. Mobility in soil

Mobility in soil No information available.

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the

threshold of declaration.

Chemical name	PBT and vPvB assessment
zinc oxide	The substance is not PBT / vPvB

## 12.6. Endocrine disrupting properties

Endocrine disrupting properties The substance/mixture does not contain components considered to have endocrine

disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 12.7. Other adverse effects

No information available.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## SECTION 14: Transport information

<u>IATA</u>

14.1 UN number or ID number UN308

**14.2 UN proper shipping name** Environmentally hazardous substances, liquid, n.o.s. (zinc oxide)

14.3 Transport hazard class(es)914.4 Packing group

**Description**UN3082, Environmentally hazardous substances, liquid, n.o.s. (zinc oxide), 9, III

14.5 Environmental hazards Yes

14.6 Special precautions for user

- Non-Silicone Heat Transfer Compound

**Special Provisions** A97, A158, A197

ERG Code 9L

**IMDG** 

14.1 UN number or ID number UN3082

**14.2 UN proper shipping name** Environmentally hazardous substances, liquid, n.o.s. (zinc oxide)

14.3 Transport hazard class(es) 9
14.4 Packing group ||||

**Description** UN3082, Environmentally hazardous substances, liquid, n.o.s. (zinc oxide), 9, III, Marine

pollutant Yes

14.5 Environmental hazards

14.6 Special precautions for user

 Special Provisions
 274, 335, 969

 EmS-No.
 F-A, S-F

14.7 Maritime transport in bulk according to IMO instruments

No information available

RID

**14.1 UN number or ID number** UN3082

**14.2 UN proper shipping name** Environmentally hazardous substances, liquid, n.o.s. (zinc oxide)

14.3 Transport hazard class(es)914.4 Packing group

**Description** UN3082, Environmentally hazardous substances, liquid, n.o.s. (zinc oxide), 9, III

14.5 Environmental hazards Yes

14.6 Special precautions for user

**Special Provisions** 274, 335, 375, 601

Classification code M6

ADR

**14.1 UN number or ID number** UN3082

**14.2 UN proper shipping name** Environmentally hazardous substances, liquid, n.o.s. (zinc oxide)

14.3 Transport hazard class(es) 9
14.4 Packing group |||

**Description** UN3082, Environmentally hazardous substances, liquid, n.o.s. (zinc oxide), 9, III, (-)

14.5 Environmental hazards Yes

14.6 Special precautions for user

**Special Provisions** 274, 335, 601, 375

Classification code M6
Tunnel restriction code (-)

## **SECTION 15: Regulatory information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

## National regulations

**France** 

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	
Diphenylamine - 122-39-4	RG 15,RG 15bis	

Germany

Water hazard class (WGK) obviously hazardous to water (WGK 2)

- Non-Silicone Heat Transfer Compound

### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

	(* == * * * * * ), * * * * * * * * * * * * *	
Chemical name	Restricted substance per REACH	Substance subject to authorisation per
	Annex XVII	REACH Annex XIV
zinc oxide - 1314-13-2	75.	-
Diphenylamine - 122-39-4	75.	-

### **Persistent Organic Pollutants**

Not applicable

#### **Export Notification requirements**

Chemical name	European Export/Import Restrictions per (EC) 649/2012 - Annex	
	Number	
Diphenylamine - 122-39-4	l.1	
	1.2	

### Dangerous substance category per Seveso Directive (2012/18/EU)

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

#### **International Inventories**

Contact supplier for inventory compliance status **TSCA DSL/NDSL** Contact supplier for inventory compliance status **EINECS/ELINCS** Contact supplier for inventory compliance status Contact supplier for inventory compliance status **ENCS IECSC** Contact supplier for inventory compliance status KECI Contact supplier for inventory compliance status Contact supplier for inventory compliance status **PICCS** AIIC Contact supplier for inventory compliance status **NZIoC** Contact supplier for inventory compliance status

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

NZIoC - New Zealand Inventory of Chemicals

#### 15.2. Chemical safety assessment

- Non-Silicone Heat Transfer Compound

**Chemical Safety Report** 

Chemical safety assessments for substances in this mixture were not carried out

## **SECTION 16: Other information**

#### Key or legend to abbreviations and acronyms used in the safety data sheet

### Full text of H-Statements referred to under section 3

H301 - Toxic if swallowed

H311 - Toxic in contact with skin

H331 - Toxic if inhaled

H373 - May cause damage to organs through prolonged or repeated exposure

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

#### Legend

SVHC: Substances of Very High Concern for Authorisation:

### Legend SECTION 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value Sk\* Skin designation

+ Sensitisers

Classification procedure			
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used		
Acute oral toxicity	Calculation method		
Acute dermal toxicity	Calculation method		
Acute inhalation toxicity - gas	Calculation method		
Acute inhalation toxicity - vapour	Calculation method		
Acute inhalation toxicity - dust/mist	Calculation method		
Skin corrosion/irritation	Calculation method		
Serious eye damage/eye irritation	Calculation method		
Respiratory sensitisation	Calculation method		
Skin sensitisation	Calculation method		
Mutagenicity	Calculation method		
Carcinogenicity	Calculation method		
Reproductive toxicity	Calculation method		
STOT - single exposure	Calculation method		
STOT - repeated exposure	Calculation method		
Acute aquatic toxicity	Calculation method		
Chronic aquatic toxicity	Calculation method		
Aspiration hazard	Calculation method		
Ozone	Calculation method		

## Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)

**Environmental Protection Agency** 

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

- Non-Silicone Heat Transfer Compound

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

World Health Organization

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**End of Safety Data Sheet**