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

PRODUCT NAME       NON-SILICON HEAT TRANSFER COMPOUND
PRODUCT NO.         HTCP20S [EHTCP20S]
APPLICATION         Heat Dissipation
SUPPLIER            H K WENTWORTH PTY LIMITED
                     P.O. BOX 339
                     BROOKVALE, NSW 2100
                     AUSTRALIA
                     TEL: 02 9938 1566
                     FAX: 02 9938 1467
                     GENERAL MANAGER

EMERGENCY TELEPHONE Tel: 029938 1566 between 8.30am and 5.00pm EST
PROPER SHIPPING NAME ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE)

2 HAZARDS IDENTIFICATION

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

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

HAZARD ID 2
The above phrases are the risks associated with the product

STATEMENT OF HAZARDOUS NATURE
HAZARDOUS SUBSTANCE (According to criteria of NOHSC). DANGEROUS GOODS (According to ADG Code).

DG CLASS
Class 9: Miscellaneous dangerous substances and articles.

PACKING GROUP       III
UN NO.              3077
HAZCHEM CODE        2Z

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content</th>
<th>Classification (NOHSC: 2011)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium Oxide</td>
<td>215-691-6</td>
<td>1344-28-1</td>
<td>60-80%</td>
<td>-</td>
</tr>
<tr>
<td>ZINC OXIDE</td>
<td>215-222-5</td>
<td>1314-13-2</td>
<td>10-30%</td>
<td>N;R50/53</td>
</tr>
<tr>
<td>Benzamine, N phenyl, reaction product with 2,4,4 trimethylpentene</td>
<td>270-128-1</td>
<td>68411-46-1</td>
<td></td>
<td>N;R51/53.</td>
</tr>
</tbody>
</table>

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 Ingredients are registered on AICS

4 FIRST-AID MEASURES

NOTES TO THE PHYSICIAN
Treat symptomatically
NON-SILICON HEAT TRANSFER COMPOUND

INHALATION
Not relevant.

INGESTION
Rinse mouth thoroughly. Drink plenty of water. Get medical attention.

SKIN CONTACT
Wash the skin immediately with soap and water. 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.

HAZCHEM CODE
2Z

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Std</th>
<th>TWA - 8 hrs</th>
<th>STEL - 15 min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium Oxide</td>
<td></td>
<td></td>
<td>10 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

INGREDIENT COMMENTS
Australian exposure limits are: LT= ES-TWA and ST= ES STEL

ENGINEERING MEASURES
All handling to take place in well-ventilated area.

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.

EYE PROTECTION
If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION
Wear appropriate clothing to prevent any possibility of skin 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 if skin becomes wet or contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Paste

COLOUR White to Grey

ODOUR No characteristic odour.

SOLUBILITY Insoluble in water

RELATIVE DENSITY 3.000

FLASH POINT (°C) 280 (536 F) CC (Closed cup).

VISCOSITY @ °c
NON-SILICON HEAT TRANSFER COMPOUND

10 STABILITY AND REACTIVITY

STABILITY
Stable under normal temperature conditions.

CONDITIONS TO AVOID
Avoid excessive heat for prolonged periods of time.

HAZARDOUS DECOMPOSITION PRODUCTS
Fire creates: Carbon monoxide (CO), Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION
No information available.

INGESTION
Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Nausea, 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

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

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE)

UDF Phrase 1
Class 9 Environmentally Hazardous substance

Class 9 Environmentally Hazardous substance

UN NO. 3077  ADG CLASS NO. 9

DG CLASS Class 9: Miscellaneous dangerous substances and articles.
Packing Group III

TUNNEL RESTRICTION CODE (E) ADG LABEL NO. 9

HAZCHEM CODE 2Z UN NO. SEA 3077

IMDG CLASS 9 IMDG PACK GR. III

EMS F-A, S-F MFAG See Guide

UN NO. AIR 3077 AIR CLASS 9

AIR PACK GR. III

15 REGULATORY INFORMATION

LABELLING
NON-SILICON HEAT TRANSFER COMPOUND

Dangerous for the environment

RISK PHRASES

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

SAFETY PHRASES

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

POISONS SCHEDULE NUMBER

NONE

NATIONAL REGULATIONS AND REFERENCES

National Model Regulations for the Control of Workplace Hazardous Substances.
National Code of Practice for the Control of Workplace Hazardous Substances.
National Code of Practice for the Labelling of Workplace Substances.
National Code of Practice for the Preparation of Material Safety Data Sheets.
Approved Criteria for Classifying Hazardous Substances.
Exposure Standards for Atmospheric Contaminants in the Occupational Environment.

16 OTHER INFORMATION

ISSUED BY
Helen O'Reilly

REVISION DATE
NOVEMBER 2010

REV. NO./REPL. SDS
6

GENERATED

SDS NO.
12946

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