

1. Identification of Substance and Company	
Product Name	: SIN RUBTECH® POLYMER BOUND PREDISPERSED CTP – 80G
Trade Name	: CTP – 80G
Manufacturer	: UA Rubber Speciality Chemical Sdn. Bhd.
Supplier	: Sin Rubtech Consultancy Sdn. Bhd.
Address	: 10-12 Jalan Industri Cherok To’Kun 2, Taman Industri Cherok To’Kun, 14000 Bukit Mertajam, Seberang Prai Utara, Penang, Malaysia.
Telephone	: 604 – 5511804
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Website / E-Mail	: www.sinrubtech.com / marketing@sinrubtech.com

2. Composition / Information on ingredients	
A proprietary polymer bound predispersed 80% N-(Cyclohexylthio) phthalimide in 20% elastomeric / processing aids binder.	
CAS No	CTP : 17796-82-6
	Binder : Trade Secret
Hazard Symbol	: Xi, N
R phrases	: 22, 36 & 43

3. Hazards Identification	
Hazard Designation	: Irritant.
Health Hazards	:
Inhalation	: Not applicable at ambient temperatures.
Skin Contact	: Avoid direct contact. Can cause irritation.
Eye Contact	: Can cause irritation
Ingestion	: Unlikely to be harmful unless excessively taken.

4. First-aid Measures	
Inhalation	: After inhalation of vapours during processing remove to fresh air.
Skin Contact	: Wash with plenty of water and soap.
Eye Contact	: Wash with plenty of water and obtain medical attention if any sensation persists.
Ingestion	: Remove material from mouth. Wash with water. If large amounts swallowed or symptoms develop seek medical attention.

5. Fire-fighting Measures

Extinguishing Media : Water spray, foam, carbon dioxide, dry chemicals.
Special Protective Equipment : Protective clothing and self-contained breathing equipment should be available for firemen.

6. Accidental Release Measures

Methods for Cleaning / Collecting : Sweep up and transfer product to a suitably labelled container and dispose at an approval site.

7. Handling and Storage

Handling : No special precautions necessary but normal industrial good housekeeping practices should be followed as for any rubber additive.

8. Exposure Controls / Personal Protection

General Precautions : Good industrial hygiene should be followed.
Ventilation : Adequate ventilation should be maintained when handling heated product.
Occupational Exposure Limits : See item 15.
Personal Protective Equipment : Normal precautions should be observed as for handling all chemicals.

9. Physical and Chemical Properties

Form/Colour/Odour : Granules / Beige / Faint
pH : Not Applicable.
Boiling Point : Not Applicable.
Solidif./Melting Point : Not Applicable.
Flash Point : Not Applicable.
Auto-ignition Temp. : > 2008C
Explosive/oxidizing properties : Not to be expected.
Vapor pressure (mbar/208C) : Not Applicable.
Density (g/cm³) : 1.18 Approx.
Solubility in Organic Solvents : Soluble in acetone, benzene toluene, ether and ethylacetate.
Solubility in Water : Partially soluble.

10. Stability and Reactivity	
Stability	: Stable under normal conditions.
Conditions to Avoid	: Avoid > 60°C storage conditions.
Materials to Avoid	: Acids.
Hazardous Decomposition Products	: Oxides of carbon, nitrogen and sulphur.
Hazardous Reactions	: None known.

11. Toxicological Information	
Name N-(Cyclohexylthio)phthalimide	
Acute toxicity	
Oral LD50 rat: 2600 mg/kg.	
Dermal LD50 rabbit: >5010 mg/kg.	
Irritation	
Skin Overall mean EU skin irritation scores:	
Redness: 0.0.	
Swelling: 0.0.	
Eye Overall mean EU eye irritation scores:	
Conjunctival redness: 1.6.	
Conjunctival swelling: 1.1.	
Iris lesions: 0.0.	
Cornea opacity: 0.0.	
Genotoxicity Not mutagenic (in vitro)	
Other toxicological information Subchronic (90 days) inhalation toxicology (rat): No Observed Adverse Effect Level (NOAEL): 15 mg/m ³ .	
subacute (28 days) oral toxicity: No Observed Adverse Effect Level (NOAEL): 300 mg/kg/day.	
Oral carcinogenicity test (rat): LOAEL (Lowest observable adverse effect level): 50 mg/kg/day (Tumours not relevant to man).	
Not teratogenic (rabbit).	
Human experience:	
Patch testing indicate that this material is a primary irritant, a cumulative irritant, and a sensitizer.	

12. Ecological Information	
Ecotoxicity	
fish 96h-LC50 (Lepomis macrochirus): 1.2 mg/l	
96h-LC50 (Oncorhynchus mykiss): 0.41 mg/l.	
96h-LC50 (Pimephales promelas): 0.42 mg/l.	
daphnia 48h-EC50 (Daphnia magna): 32 mg/l.	
algae 96 h-EC50 (Selenastrum capricornutum): 21 mg/l.	
Fate	
Bioaccumulation Bio Concentration Factor (BCF): 130 (calculated)	

13. Disposal Consideration	
Waste Disposal Method	: Incinerate according to local regulations
Contaminated Container Disposal	: Observe local regulations.

14.	Transport Information
Not classified in RID/ADR - ADNR - IMDG - ICAO/IATA - DGR.	
15.	Regulatory Information
Labelling in accordance with Annex T of directive 57/548/EEC and its amendments and adaptations:	
<u>Symbol</u>	<u>Hazard Description</u>
Xi	: Irritant
N	: Dangerous for the environment
Contains	: N-(Cyclohexylthio) phthalimide
<u>Risk phrase(s)</u>	<u>Definition</u>
R 22	: Harmful if swallowed.
R 43	: May cause sensitization by skin contact.
R 50/53	: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
<u>Safety phrase(s)</u>	<u>Definition</u>
S 36/37	: Wear suitable protective clothing and gloves.
16.	Other Information (training needs, possible restrictions, data sources, etc)
Data Sources	: Sin Rubtech Consultancy Sdn. Bhd.
Department issuing MSDS	: Technical Department.
Contact	: Sin Yoong Leong. Technical Manager

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