



Safety Data Sheet (SDS)

Revision / Review Date: 5/20/15

1. Chemical Product and Company Identification

Product Name:	CTB (NBC-70)
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Not available
Molecular Formula:	Not available
Molecular Weight via GPC, Mn:	Not available
Product Use:	Dispersions
OSHA Status:	Not available
CAS No:	13927-77-8

For emergency health, safety, and environmental information, calls 330-920-8023

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

<u>Warning:</u>	Not available.
<u>Signs and Symptoms of Exposure:</u>	Not available.
<u>Primary Routes of Entry:</u>	Skin, eye, inhalation.
<u>Medical Conditions Generally Aggravated by Exposure:</u>	Eye, skin, respiratory tract ailments.
<u>Overview:</u>	Dust explosion hazards are known to exist for some powder raw materials. The bead form of this product minimizes the generation of dust.
<u>Eye Contact:</u>	May cause irritation to the eyes. Can dry out the mucous membrane.
<u>Skin Contact:</u>	May cause irritation to the skin. Repeated exposure can cause dermatitis and can dry out the skin.
<u>Ingestion:</u>	If swallowed may cause alcohol intolerance.
<u>Inhalation:</u>	May cause irritation to the respiratory tract.
<u>HMIS Hazard Ratings:</u>	Health- 2, Flammability - 1, Reactivity – 0, Protection-B
<u>HMIS limitation statement:</u>	The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product.

All of the information contained in the SDS should be consulted to assist with the safe handling of this material.

Principal Hazardous Components:

Nickel dibutyldithiocarbamate), CAS No.13927-77-8, ACGIH 0.015 mg/m³ TWA (as Ni), OSHA 1 mg/m³ TWA (as Ni)

3. Composition / Information on Ingredients

Weight Percent / Typical	Component Identity	CAS Registry Number
70%	Nickel dibutyldithiocarbamate	13927-77-8

4. First Aid Measures

<u>Inhalation:</u>	Remove to fresh air. Seek medical advice if irritation persists.
<u>Eyes:</u>	Rinse with plenty of water. Seek medical attention if irritation persists.
<u>Skin:</u>	Wash off immediately with plenty of soap and water. Seek medical advice in case of irritation.
<u>Ingestion:</u>	Do not induce vomiting. Give 2 glasses of water. Seek medical attention. If individual is drowsy, do not give anything by mouth.

5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Dry Chemical, Carbon Dioxide, Foam and Water spray.
<u>Special Fire Fighting Procedures:</u>	A self-contained breathing apparatus (SCBA) in positive pressure mode and full firefighting protective gear should be worn for fighting fires.
<u>Hazardous Combustion Products:</u>	Not available.
<u>Unusual fire and explosion hazards:</u>	None known.

6. Accidental Release Measures

<u>Steps to be taken in case material is Spilled:</u>	Sweep up by mechanical means. Avoid dust formation. Shut off ignition source.
<u>Environmental Disposal Information:</u>	Not available.
<u>Waste Disposal:</u>	Put into proper containers and dispose of in accordance with all local, state and federal regulations.

7. Handling and Storage

<u>Empty Containers:</u>	Dispose of empty containers in accordance with local, state, and federal regulations.
<u>Precautions to be taken in handling:</u>	Persons handling equipment should wear protective equipment. Good housekeeping and hygienic practices should be observed
<u>Storage:</u>	Store in a cool, dry environment in original sealed packaging. Keep away from flames, sparks or hot surfaces. Do not store in direct sunlight for extended periods of time. Store away from acids and oxidizers. Store below 120°C.

8. Exposure Controls / Personal Protection

<u>Exposure Controls:</u>	Not available.
<u>Respiratory Protection:</u>	Dust mask.
<u>Ventilation:</u>	The bead form of this product minimizes dust exposure and the associated hazards.
<u>Hand protection:</u>	Rubber or plastic gloves.
<u>Eye Protection:</u>	Safety glasses.
<u>Skin and Body Protection:</u>	Long sleeved shirt and long pants.
<u>Other Precautions:</u>	Wash after handling product. Work clothes must be changed and washed before reuse. Do not smoke, eat or use alcohol while handling product.
<u>Decontamination Facilities:</u>	Local exhaust ventilation, eye bath, safety shower.

9. Physical and Chemical Properties

<u>Physical Form:</u>	Bead
<u>Appearance & Odor:</u>	Green/ Characteristic
<u>Specific Gravity:</u>	>1.00
<u>Softening Point, R&B:</u>	Not available.
<u>Solubility in Water:</u>	Insoluble
<u>Flash Point, TAG CC F:</u>	200 °C
<u>Percent Volatiles (by weight):</u>	Not available.
<u>Evaporation Rate (Water ~ I):</u>	Not available.
<u>Vapor Pressure (mm Hg):</u>	Not available.

<u>Vapor Density (Air ~ 1):</u>	Not available.
<u>Boiling Point (°F) Initial:</u>	Not available.
<u>Auto ignition Temperature, °C:</u>	Not available.
<u>Flammable Limits, %(V):</u>	Not available.
<u>Melting point:</u>	65°C

10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	Material reacts with strong oxidizers, acid, nitrates, chlorates, carbides, phosphorus and heavy metals.
<u>Conditions to Avoid:</u>	Not available.
<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur.
<u>Hazardous Decomposition products:</u>	Carbon oxides, Nitrogen oxides, Sulfur oxides, Metallic oxide, Smoke, fumes and unburned hydrocarbons and trace oxides.

11. Toxicological Information

This material is not listed as a carcinogen or potential carcinogen by NTP or OSHA.

Nickel compound is classified as a Group 1 by IARC.

OSHA Permissible Exposure Limit: Nickel dibutyldithiocarbamate 13927-77-8
0.015 mg/m³ TWA (as Ni)

ACGIH Threshold Limit Value: Nickel dibutyldithiocarbamate 13927-77-8, 1 mg/m³ TWA(as Ni)

12. Ecological Information

This material has not been evaluated for environmental effects.

13. Disposal Considerations

Dispose of product or empty containers in accordance with local, state, and federal regulations.

14. Transport Information

D.O.T. Shipping Name: Not available.

Air - ICAO (international Civil Aviation Organization): Not available.

Sea - IMDG (International Maritime Dangerous Goods): Not available.

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

<u>SARA title III 313:</u>	Nickel compound (Nickel dibutyldithiocarbamate CAS No. 13927-77-0, 70%
<u>New Jersey RTK Label Information:</u>	Nickel dibutyldithiocarbamate, CAS No. 13927-77-8
<u>Pennsylvania RTK Label Information:</u>	Nickel dibutyldithiocarbamate, CAS No. 13927-77-8

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.