



Date of Issue: 9/17/10

Nanomyte™ BE-45

Material Safety Datasheet

Identity / Ingredients Information	
MSDS Serial #:	A00022
Chemical name & composition:	Lithium Nickel Cobalt Aluminum Oxide, $\text{LiNi}_x\text{Co}_y\text{Al}_z\text{O}_2$
Percent:	99.95%
CAS Number:	N/A
EINECS Number:	No data
OSHA PEL:	No data
ACGIH TLV:	No data
Proprietary:	YES

Physical / Chemical Characteristics	
Appearance and Odor:	Black powder, odorless
Melting Point:	1000°C
Vapor Pressure:	Not determined
Vapor Density (Air=1):	Not determined
Specific Gravity:	4.47 g/cm ³
Evaporation Rate and Ref: N/A	Not determined
Solubility in Water:	Insoluble
Percent Volatiles by Volume: N/A	Not determined

Fire and Explosion Hazard Data	
Flash Point:	N/A
Lower Explosive Limit:	Not determined
Upper Explosive Limit:	Not determined
Extinguishing Media:	Dry chemical, CO ₂ , water spray or regular foam
Special Fire Fighting Procedures:	Wear full protective clothing and self-contained breathing apparatus approved for fire fighting. Do not breathe smoke, gases or vapors generated.

Reactivity Data	
Stability:	YES
Conditions to avoid (Stability):	Exposure to atmosphere
Materials to avoid:	Acids

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Material Safety Datasheet (continued)

Precautions for Safe Handling and Use	
Steps if material released/spill:	Use any feasible mechanical means - broom, brush, scoop, vacuum, or wet absorbent material, but avoid dusting during clean-up
Neutralizing Agent:	None required
Precautions-Handling/Storing:	Prevent & remove dust. Store bags of pigment under dry conditions.
Other Precautions:	None

Control Measures	
Respiratory Protection:	Use NIOSH/MSHA approved dust respirator if TLV levels are or may be exceeded.
Ventilation:	As required to remove & prevent dust.
Protective Gloves:	Impervious gloves (FP N)
Eye Protection:	ANSI Approved Chemical Workers Goggles (FP N)
Other Protective Equipment:	No other special clothing or equipment is required
Work Hygienic Practices:	None specified by manufacturer and local regulations

Health Hazard Data	
Inhalation:	Inert, nuisance particulate dust. Temporary irritation to mucous membranes of nose and mouth may result from excess dust.
Eye Contact:	Inert particulate dust hazard only.
Skin Contact:	Non-corrosive, non-irritant, non-sensitizing; may have drying effect on skin.
Ingestion:	Ingestion may cause nausea & vomiting.
Acute effects from overexposure:	This product may be irritating to the eyes, skin and respiratory tract.
Chronic effects from overexposure:	This product has potential for causing blood, heart, and pancreas damage.

Disposal Data	
Disposal Recommendations (Product):	Consult state, local or national regulations for proper disposal.
Disposal Recommendations (Used Packaging):	Disposal must be made according to official regulations.

Label Data			
Label Required:	Yes	Fire Hazard:	None
Label Status:	G	Reactivity Hazard:	None
Chronic Hazard:	No	Protect Eye:	Yes
Acute Health Hazard:	Slight	Protect Skin:	Yes
Contact Hazard:	Slight	Protect Respiratory:	Yes

This is an experimental product. NEI has attempted to provide current and accurate information to the best of our knowledge. NEI makes no representations regarding the accuracy or completeness of the information and assumes no liability for any loss, damage, or injury of any kind which may result from or arise out of the use of or reliance on the information by any person.