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SECTION 1: Product Identification

Product name	Nickel bis(N,N'-diethyl-2,4-pentanediketimate)
CAS #	NA
Catalog #	0282350
Chemical family	Beta-diketimine metal complexes

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
Nickel bis(N,N'-diethyl-2,4-pentanediketimate)		NA	none	Xi	36/37/38

SECTION 3: Hazard Identification

Emergency overview	May be irritating to eyes, skin and respiratory system. May be harmful by inhalation, ingestion, or skin absorption.
Eye contact	May cause irritation of the eyes.
Skin contact	May cause irritation of the skin.
Inhalation	May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion	May be harmful if swallowed. No information about hazard effect of the ingestion.
Chronic health effects	Long term exposure to nickel compounds may lead to skin irritation and dermatitis. May cause cancer.

SECTION 4: First Aid Measures

Eye exposure	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.
Skin exposure	Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
Inhalation	Remove from exposure to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, pain, etc. In such cases seek immediate medical assistance.
Ingestion	If victim is conscious, wash out mouth with water. Get medical aid.

SECTION 5: Fire Fighting Measures

General information	If this material is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing. If involved in a fire this material may emit irritating fumes.
Extinguishing media	Use water spray, dry chemical, carbon dioxide, or chemical foam

SECTION 6: Accidental Release Measures

Spill and leak procedures	Small spills can be mixed with vermiculite or sodium carbonate and swept up. Ventilate area.
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SECTION 7: Handling and Storage	
Handling	Avoid breathing and inhalation. Avoid contact with skin and eyes. Avoid prolonged exposure to air.
Storage	Store in a cool, dry place. Store in a tightly closed container under inert atmosphere of argon or nitrogen.
SECTION 8: Exposure Controls and Personal Protection	
Eye protection	Always wear approved safety glasses when handling a chemical substance in the laboratory.
Skin protection	Wear protective gloves.
Ventilation	If possible, handle the material in an efficient fume hood.
Respirator	If ventilation is not available a respirator should be worn. The use of respirators requires Respirator Protection Program to be in compliance with 29CFR 1910.134.
SECTION 9: Physical and Chemical Properties	
Appearance	Dark brown solid
Odor	None
Melting point	No data
Boiling point	No data
Flash point	No data
Solubility in water	No data
Specific gravity	No data
Molecular formula	C ₁₈ H ₃₄ N ₄ Ni
Molecular weight	365.19
SECTION 10: Stability and Reactivity	
Stability	Air sensitive solid
Hazardous polymerization	No hazardous polymerization
Conditions to avoid	Avoid prolonged contact with air.
Incompatibilities with other materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, nickel oxides, organic fumes.
SECTION 11: Toxicological Information	
RTECS Data	No information available in the RTECS files.
Carcinogenic effects	Possible carcinogen (as Ni)
Mutagenic effects	No data available.
Tetragenic effects	No data available.
SECTION 12: Ecological Information	
Ecological information	No information available.
SECTION 13: Disposal Considerations	
Dispose of in a manner consistent with federal, state, and local regulations.	

SECTION 14: Transport Information	
Shipping name (CFR)	Non-hazardous
Hazard class (CFR)	NA
Additional hazard class (CFR)	NA
Packing group (CFR)	NA
UN ID number (CFR)	NA
Shipping name (IATA)	Non-hazardous
Hazard class (IATA)	NA
Additional hazard class (IATA)	NA
Packing group (IATA)	NA
UN ID number (IATA)	NA
SECTION 15: Regulatory Information	
TSCA	Not listed in the TSCA inventory
SARA	Not reported
SECTION 16: Other Information	
Preparation date	17.07.09
Last revision date	17.07.09
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