

WESTERN RESERVE CHEMICAL

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MATERIAL SAFETY DATA SHEET

WESTCO NBC

CAS# 13927-77-0

1. Product Identifications

Product Name: Westco NBC
Chemical Name: Nickel Dibutyldithiocarbamate
Formula: $C_{18}H_{36}N_2S_4Ni$

2. Physical Description/Properties

Specific Gravity: 1.26
Melting Point (C° Min): 86
Bulk Density (g/cm³): 320
PH Value Neutral
Appearance: Green Powder
Odor: Characteristic
Solubility: Soluble In acetone, Benzene, Chlorinated hydrocarbons:
Water solubility is negligible

3. Hazard Information

Combustible dust

Keep away from heat, sparks and flame.
Eye irritant-Can cause redness, tearing and swelling.
Skin contact may cause allergic reaction.
Inhalation may cause upper respiratory irritation*.
May react with nitrosating agents to produce nitrosamines considered to be carcinogens

*Chronic inhalation of nickel-containing materials has been associated with an increased risk of cancer.

Material Safety Data Sheet /NBC/ Page 2

4. First Aid Information

Skin:	Remove contaminated clothing and wash before re-use. Immediately wash contaminated skin with running water.
Ingestion:	Immediately rinse mouth with water. Induce vomiting only at the instruction of a physician. Seek immediate medical attention. May cause antabuse effect.
Eyes:	Flush with water for 15 minutes. Seek medical attention if irritation persists.
Inhalation:	Remove person to fresh air. Get immediate medical attention if breathing is difficult or short.

5. Handling and Storage

Storage:	Store in a dry well-ventilated area avoiding direct exposure to sunlight
Stability in storage:	one year

6. Employee Protection Recommendations

The employee should wear protective clothes and avoid direct physical contact with the product.

Eye Protection: Wear chemical safety glasses or goggles

Hand Protective Requirements: Wear protective gloves.

Skin Protective Requirements: Wear overalls.

Ventilation: Local exhaust

7. Toxicological Information

Low toxicity

LD50 acute oral for rats: >5000mg/kg

LD50 acute skin for rabbits:>2000mg/kg

8. Fire and Explosion Data

Flash point:	500°F
Exposure standard limits:	Not available
Extinguish Media:	Spray water, Carbon Dioxide, foam, sand or dry chemical.
Explosion Hazard:	Can form flammable dust/air mixture that may be sensitive to static discharge

9. Reactivity

Chemical stability:	Stable when stored in original container protected from heat and moisture.
Hazardous Polymerization:	Does not occur.
Materials to avoid:	Strong oxidizers, acids
Hazardous products of decomposition:	Oxides of Carbon, Nitrogen, sulfur, nickel. Contact with acid may produce carbon disulfide.

10. Accidental Release and Disposal

Spills: Sweep and place in closable container. Avoid generation of dust. Wear appropriate protective clothing and safety devices. Do not use water to remove spilled material.

Disposal: Burn in an approved incinerator or bury waste and empty containers in licensed landfill in adherence to federal, state and local regulations.

11. Transportation Information

DOT Status	Not regulated
DOT shipping name	None
DOT reportable qty. (lbs)	None
ICAO/IATA Status	Not regulated
Proper shipping name	None
UN/NA number	None
IMDG Status	Not regulated
TDG Canada	Not regulated

12. Regulatory Information

Worldwide Inventory Status	
TSCA (USA):	Listed
Canadian DSL:	Listed
Canadian NDSL:	Not Applicable. Listed on the DSL.
EINECS/ELINCS (Europe):	Listed

Material Safety Data Sheet/NBC/ Page 4

Japanese Inventory (ENCS):	Listed
Korean Chemical Inventory (ECL):	Listed
Australian Chemical Inventories (AICS):	
New Zealand (NZ):	Listed
Phillipines)PICCS) Inventory:	Listed
China (CLECS):	Listed
US Regulatory Rules	
SARA Section 302:	None Found
SARA 311/312 Hazard Cataagories:	Immediate, delayed
SARA 313 Chemical:	Nickel compounds
RCRA Status:	Not a RCRA waste
FDA Status 21 CFR:	Not regulated for Use under section 21 CFR177.
Canadian Regulations	
WHMIS Hazard Class:	D-2A

13. Other Information

HMIS Classification Health 2 Flammability 1 Reactivity 0

Nickel compounds are regulated under Clean Water Act 307, OSHA Air Contaminants, IARC Human Carcinogens and California Prop 65.

Important Note: The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

2/05