



# Sovchem<sup>®</sup> NDBC

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Sovereign Chemical Company 4040 Embassy Parkway, Suite 190 Akron, OH 44333	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Sovchem <sup>®</sup> NDBC Oiled Powder	Chemical Name: Nickel bis(dibutyldithiocarbamate)
Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.	Application of the substance/the preparation: Used as vulcanization accelerator in rubber goods manufacture.
Issued By: Sovereign Chemical Company 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: June 1, 2026

## 2. HAZARDS IDENTIFICATION

### *Classification of the substance or mixture*

Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012), Regulation (EC) No 1272/2008, 1907/2006/EC (REACH), and GHS.

Hazard Pictograms (CLP)	:  GHS07,  GHS08,
Signal Word	: Warning
Hazard statements (CLP)	: H319- Causes serious eye irritation, Category 2 H351 – Suspected of causing cancer, Category 2 H413 – May cause long lasting harmful effects to aquatic life, Category 4
Precautionary statements (CLP)	: P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood. P281 - Use personal protective equipment as required. P308 + P313 - IF exposed or concerned: Get medical advice/attention. P264- Wash hands thoroughly after handling P280 - Wear protective gloves/protective clothing/eye protection/face protection P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313P - IF eye irritation persists: Get medical advice/attention P501 - Dispose of contents/ container to an approved waste disposal plant P273 - Avoid release to the environment

P405 – Store locked up

Other Hazard : This substance does not meet the criteria for PBT / vPvB of REACH regulation, annex XIII.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance

Chemical Name	CAS No	EC No	Weight %	Classification
Nickel bis(dibutyldithiocarbamate)	13927-77-0	237-696-2	≥ 97	H319- Causes serious eye irritation, Category 2 H351 – Suspected of causing cancer, Category 2 H413 – May cause long lasting harmful effects to aquatic life, Category 4

**4. FIRST AID MEASURES**

*Description of first aid measures*

- First-aid measures general: In all cases of doubt, or when symptoms persist, seek medical attention.
- First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
- First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion: Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

*Most important symptoms and effects, both acute and delayed*

General: Causes serious eye irritation. Suspected of causing cancer.

*Indication of any immediate medical attention and special treatment needed*

General: Persons with pre-existing skin, eye, or respiratory disease may be at increased risk from the irritant or allergic properties of this material. Attending physician should treat exposed patients symptomatically.

## 5. FIRE FIGHTING MEASURES

### *Extinguishing media*

Suitable extinguishing agents: Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing agents: No information available.

### *Special hazards arising from the substance or mixture*

General: Toxic emissions may result if product is involved in a fire. Fire can produce toxic hydrogen cyanide, sulfur dioxide, oxides of nitrogen and oxides of nickel. Minimum Ignition Energy (MIE) = < 3 MJ.

### *Advice for firefighters*

General: Do not stay in dangerous zone without self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing. Do not allow run-off from firefighting to enter drains or water course.

## 6. ACCIDENTAL RELEASE MEASURES

### *Personal precautions, protective equipment and emergency procedures*

General measures: Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Avoid generation of dust. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protection recommended in Section 8.

### *Environmental precautions*

General precautions: Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas.

### *Methods and material for containment and cleaning up*

General methods and materials: Spill Procedure: Wear protective equipment specified. Avoid the generation of dust. Sweep, vacuum, or shovel

and place into closable container for disposal.  
 Procedure for Cleaning/Absorption: Isolate area and remove sources of friction, impact, heat, low level electrical current, and RF energy. Scoop up and remove. Do NOT spread spilled product with water.

*Reference to other sections*

Sections: See Section 7 for more information  
 See section 8 for more information  
 See section 13 for more information

**7. HANDLING AND STORAGE**

*Precautions for safe handling*

General: Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Take precautionary measures against static discharges. Avoid generation of dust. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protection recommended in Section 8.

*Conditions for safe storage, including any incompatibilities*

General: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Store away from strong oxidizing materials. Avoid exposure to direct sunlight. Keep locked up and out of reach of children. Keep away from food, drink and animal feeding stuffs. Store in accordance with local regulations.

*Specific end use(s)*

General: No other information available.

**8. EXPOSURE CONTROLS - PERSONAL PROTECTION**

*Control Parameters*

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Nickel bis(dibutyl)dithiocarbamate (13927-77-0)	-	-	-	TWA: 0.05 mg/m <sup>3</sup>	-
Chemical Name	Latvia	France	Finland	Germany	Italy

Nickel bis(dibutyl)dithiocarbamate (CAS: 13927-77-0)	TWA: 0.05 mg/m <sup>3</sup>	-	TWA: 0.05 mg/m <sup>3</sup> TWA: 0.01mg/m <sup>3</sup>	Skin	-
--	-----------------------------	---	---	------	---

Chemical Name	Norway	United Kingdom	ACGIH-TLV	OSHA PEL	NIOSH IDLH
N Nickel bis(dibutyl)dithiocarbamate (CAS: 13927-77-0)	TWA: 0.05 mg/m <sup>3</sup> STEL: 0.05 mg/m <sup>3</sup>	-	1mg/m <sup>3</sup> /8h	1mg/m <sup>3</sup> /8h	IDLH: 10 mg/m <sup>3</sup> Ni TWA: 0.015 mg/m <sup>3</sup> except Nickel carbonyl

**Derived no effect level (DNEL):**

General: No information available  
No chemical safety assessment has been carried out.

**Predicted no effect level (PNEC):**

General: No information available  
No chemical safety assessment has been carried out.

*Exposure controls*

Engineering controls: Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations. Remove all sources of ignition

Personal protective equipment: Suitable protective clothing.

Eye protection: Wear safety glasses or goggles to protect against exposure.

Hand protection: Use gloves as a standard industrial handling procedure. Appropriate chemical resistant gloves should be worn.

Respiratory protection: Use in a well-ventilated area. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

Thermal hazard: No information available.

Environmental exposure controls: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

*Information on basic physical and chemical properties*

Form: Solid powder	Melting Point/Range: 90.2 °C
Color: Green	Boiling Point/Range: 521.96 °C
Odor: Characteristic	Odor threshold: Not determined
pH: Not determined	Flash point: 260 °C
Vapor Pressure: 0.081 Pa (25 °C)	Flammability: Nonflammable
Density at 20 °C: 1.31 g/cm <sup>3</sup>	Ignition temperature: Not applicable
Relative density: Not available	Decomposition temperature: Not determined
Solubility: Water: 8.93 µg/L (20 °C). Soluble in benzene, carbon disulfide, organic liquids, including fats and oils acetone	Partition coefficient (n-octanol/water): Not determined
Oxidizing properties: Not determined	Explosion limits: Lower: Not applicable Upper: Not applicable

Other information:

No further relevant information available.

## 10. STABILITY AND REACTIVITY

Reactivity:	Stable under recommended storage and handling conditions.
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None under normal processing. Hazardous polymerization will not occur.
Conditions to avoid:	Heat, flames and sparks. Incompatible materials.
Incompatible materials:	Strong oxidizing agents, strong acids.

Hazardous decomposition products: Carbon oxides, nitrogen oxides, ammonia, hydrogen cyanide, oxides of nickel.

**11. TOXICOLOGICAL INFORMATION**

*Information on toxicological effects*

Acute toxicity: Not classified

Nickel bis(dibutyl)dithiocarbamate (CAS : 13927-77-0)	
LD50 oral rat	> 5000mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 0.416 mg/L/4h

Skin corrosion/irritation: Non-irritating to the skin.

Serious eye damage: Causes serious eye irritation.

Sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Suspected of causing cancer.

Reproductive toxicity: Not classified

STOT single exposure: Not classified

STOT multiple exposure: Not classified

Aspiration hazard: Not classified

Endocrine disrupting properties: The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

Other information: No information available

**12. ECOLOGICAL INFORMATION**

*Toxicity*

May cause long lasting harmful effects to aquatic life.

*Persistence and degradability*

Not readily biodegradable  
Biodegradation 0% (28 day)

*Bioaccumulative potential*

BCF – Fish 75.92  
 Log Pow – 5.44 (25°C)

*Mobility in soil*

Log Koc: 6.254

*Results of PBT and vPvB assessment*

This substance is not considered to be persistent, bioaccumulating or toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

*Endocrine disrupting properties*

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

*Other adverse effects*

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

*Waste treatment methods*

Waste from residues/unused products:	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging:	Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORTATION INFORMATION

UN-Number	
DOT, ADR, ADN, IMDG, IATA, RID	Not regulated
UN proper shipping name	
DOT, ADR, ADN, IMDG, IATA, RID	Not regulated
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA, RID	Not regulated
Packing group	
DOT, ADR, ADN, IMDG, IATA, RID	Not regulated
Environmental hazards	No
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

UN "Model Regulation"

**15. REGULATORY INFORMATION**

*Safety, health and environmental regulations/legislation specific for the substance or mixture*

SARA Section 355 (extremely hazardous substances)	Not listed
SARA Section 313 (Specific toxic chemical listings)	Not listed
TSCA (Toxic Substances Control Act)	Listed
Proposition 65 (California)	
Chemicals known to cause cancer	Not listed
Chemicals known to cause reproductive toxicity for females	Not listed
Chemicals known to cause reproductive toxicity for males	Not listed
Chemicals known to cause developmental toxicity	Not listed
Carcinogenic Categories	
IARC (International Agency for Research on Cancer)	Not listed
TLV (Threshold Limit Value established by ACGIH)	Not listed
NIOSH-Ca (National Institute for Occupational Safety and Health)	Not listed
OSHA (Occupational Safety & Health Administration)	Not listed
Canada	
Canadian Domestic Substances List (DSL)	Listed
Canadian Ingredient Disclosure list (limit 0.1%)	Not listed
Canadian Ingredient Disclosure list (limit 1%)	Not listed
REACH	
REACH Candidate List	Not listed
REACH XIV List	Not listed

Chemical safety assessment: A chemical safety assessment has not been carried out.

**16. OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship