

MATERIAL SAFETY DATA SHEET

: According to EC-directive 2001/58/EC

Stabilizing agent NDMC

HS Code:29302000.90

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product label name	Nickel Dimethyldithiocarbamate
Supplier	Qingdao YLSCH Industry&Trade Co.,Ltd Room 501,2-3 Unit. No.8,Zhengzhou Road, Qingdao,China. TEL: +86 18661665800
Emergency telephone	TEL: +86 18661665800
Intended use	Stabilizers NDMC

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	Nickel Dimethyldithiocarbamate
CAS NO.	15521-65-0
Chemical description	Green powder
TSCA NO.	none
EINECS NO.	none
Other information	$C_6H_{12}N_2S_4Ni$

3. HAZARDS IDENTIFICATION

Routes of Entry	Absorbed through skin. Eye contact. Inhalation
Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant) Of ingestion, of inhalation. Non-corrosive for skin. Non-sensitized for skin, Non-permeate by skin.
Potential Chronic Health Effects	Slightly hazardous in case of inhalation. CARCINOGENIC EFFECTS: None. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not toxic. There is no known effect from chronic exposure to this product.

4. FIRST AID MEASURES

Inhalation	Move to fresh air. If symptoms persist, seek medical advice. After contact with skin, wash immediately with plenty of water.
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Skin contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Hazardous Skin Contact	No additional information.
Eye Contact	No known effect in eye contact. rinse with water for a few minutes.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous Inhalation	No additional information.
Ingestion	Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested: the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is Not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Hazardous Ingestion	No additional information.

5. FIRE-FIGHTING MEASURES

Flammability of the product	May be combustible at high temperature.
Auto-Ignition Temperature	Not applicable
Flash Points	Not applicable
Flammable Limits	Not applicable
Products of Combustion	These products are carbon oxides (CO, CO ₂). Some metallic oxides.
Fire Hazards In Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in presence of various materials.
Explosion Hazards in Presence of Various Substances	No specific information is available in our database regarding the product' s risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO ₂ , water spray or foam. LARGE FIRE: Use water spray, fog or foam.DO NOT use water jet.
Special Remarks On Fire Hazards	No additional remark
Special Remarks on Explosion Hazards	No additional remark

6. ACCIDENTAL RELEASE MEASURES

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Our database contains no additional information in case of a spill and/or a
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Large Spill

leak of the product. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Be careful that the product is not present at a concentration level above TLV.

Check TLV on the MSDS and with local authorities.

7. HANDLING AND STORAGE

Handling

Storage requirements

Keep container tightly closed. Keep in a cool. Well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

No special ventilation requirements.

Exposure limits

Not available

Name:Nickel

Dimethyldithiocarbamate

Personal protection

Hand

Wear suitable gloves.

Eye

Wear safety goggles.

Skin and body

Wear suitable protective clothing.

Splash goggles. Full suit, Boots, Gloves, Suggested

Personal Protection in Case of a

protective clothing might not be sufficient; consult a

large Spill

specialist BEFORE handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green powder	Colour	Green
Odour	---	Boiling point	---
Melting point ≥	290°C	Flash point	---
Flammability	---	Loss on drying%(Max)	0.50
Explosive properties		Auto ignition temperature	---
Oxidizing properties	---	Vapour pressure	---
Density	---	Bulk density	---
Solubility in water	Insoluble in cold water, hot water	Solubility in other solvents	---
pH value	---	Partition coefficient	---
Mooney Viscosity	---	Relative vapour density	---
Residues (150um)% Max	0.10(Max)	Explosion limits	---
Strength of grain(N)	---	Copper content % Max	---
Assay Content % ≥	96	Element Sulfur content%	---

**10. STABILITY AND REACTIVITY**

Stability	The product is stable
Conditions to avoid	Heat, sources of heat, naked flames, sparks, direct sunlight
Conditions of instability	No additional remark
Incompatibility with various substances	Slightly reactive to reactive with oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Name	Nickel Dimethyldithiocarbamate
Acute toxicity	
Oral LD50	rat: > 1600 mg/kg.
Chronic Effects on Humans	CARCINOGENIC EFFECTS None DEVELOPMENTAL TOXICITY Not toxic
Other Toxic Effects on Humans	Slight hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Non-corrosive for skin. Non-sensitizer for skin. No permeator by skin.
Special Remarks on Toxicity to Animals	No additional remark
Special Remarks on Chronic Effects on Humans	No additional remark
Special Remarks on other Toxic Effects on Humans	Causes dermatitis

12. ECOLOGICAL INFORMATION

Name	Nickel Dimethyldithiocarbamate
Ecotoxicity	Not available
BOD5 and COD	Not available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the products of Biodegradation	The products of degradation are less toxic than the product itself.
Special Remarks on the products of Biodegradation	No additional remark

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Recycle, if possible. Dispose of in accordance with local, regional regulations.
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14. TRANSPORT INFORMATION

Land transport (ADR/ RID)



YLSCH-RBB

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Website: www.ylsch-rbb.com

ADR class	----	RID class	----
ADR/RID packing group	----	Hazard Identification No.	----
Substance Identification No.	----	UN number	----
Proper Shipping Name	Nickel Dimethyldithiocarbamate		
Other information	Documentation justifying the non-dangerous goods properties is available on request.		
Sea transport (IMDG-code/ IMO)			
Correct technical name	----	IMDG Class	----
UN Number		Packaging group	
EMS Number	----	Documentation justifying the non-dangerous goods properties is available on request.	
Other information	Documentation justifying the non-dangerous goods properties is available on request.		
Air transport (ICAO-TI/ IATA-DGR)			
ICAO-TI/IATA-DGR Class	----	UN number	----
Packing group			
Correct technical name	Nickel Dimethyldithiocarbamate		
Other information	Documentation justifying the non-dangerous goods properties is available on request.		

15.REGULATORY INFORMATION

Chemical description	Nickel Dimethyldithiocarbamate
Labelling according to EC directives	
EC-number	See section 2
Classification based on	Tests
R(isk) phrase(s)	None
S(afety) phrase(s)	None

16.OTHER INFORMATION

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.