

Room 501,2-3 Unit No.8,Zhengzhou Road,Qingdao,China. TEL: <u>86 18661665800</u> Email: <u>Dana@ylsch-rbb.com</u> Website: <u>www.ylsch-rbb.com</u>

MATERIAL SAFETY DATA SHEET

: According to EC-directive 2001/58/EC

Rubber Antioxidant NBC HS Code: 29302000.90

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product label name Nickel dibutyldithiocarbamate

Qingdao YLSCH Industry&Trade Co.,Ltd

Supplier Room 501,2-3 Unit. No.8,Zhengzhou Road,

Qingdao, China.

TEL: +86 18661665800

Emergency telephone TEL: +86 18661665800

Intended use Rubber Antioxidant

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name Nickel dibutyldithiocarbamate

CAS NO. 13927-77-0

Chemical description Olive green powder

TSCA NO. none EINECS NO. none

Other information C₁₈H₃₆N₂S₄Ni

3. HAZARDS IDENTIFICATION

Dust may cause eye and respiratory irritation. Dust suspended in air in critical proportions and in the presence of an ignition source may present an explosion hazard. Heating may generate vapors which can irritate the eyes and respiratory passages.

4. FIRST AID MEASURES

Dust may be irritating to the respiratory tract and cause symptoms of

Symptoms and effects bronchitis.

Repeated contact may cause skin sensitization.

First aid

General In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation Move to fresh air. If symptoms persist, seek medical advice.

Skin Remove all contaminated clothing immediately. Wash off with plenty of

Water and non-abrasive soap.

Seek medical advice if irritation develops. Launder clothes before reuse.



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Eye Rinse thoroughly with plenty of water. Eyelids should be held away from

the eyeball to ensure thorough rinsing.

Seek medical advice if irritation develops.

Ingestion Do not induce vomiting. Immediately give two glasses of water, a little at a

time. Never give anything by mouth to an unconscious person. Call a physician. If vomiting occurs spontaneously, lower head below waist to

prevent fluid from entering the lungs.

Advice to physician No specific recommendations.

5. FIRE-FIGHTING MEASURES

Extinguishing media waterspray, water mist, foam, dry chemical powder, CO₂

Unsuitable extinguishing media Waterjet

Special exposure hazardsEmits toxic fumes under fire conditions.

Hazardous decomposition/ Combustion products

Carbon monoxide (CO), nitrous gases (NOx).

Protective equipmentWear self contained breathing apparatus.

Other information Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions For personal protection see Section 8. Avoid dust generation.

Environmental precautions Avoid discharge into the environment.

Collect as much as possible in a clean container for

Methods for cleaning up (preferable) reuse or disposal.

7. HANDLING AND STORAGE

Handling Avoid prolonged or repeated contact with skin. Use with adequate

ventilation. Wash thoroughly after handling. Store in cool area.

Keep away from heat, sparks, and flames. Under dusty conditions, static

electricity may caus an explosion.

Storage requirements No specific storage is required.

Be sure that it is not necessary to strain to reach materials,

and that shelves are not overloaded.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls Avoid dust generation. Ensure good ventilation and local

exhaustion of the working area.



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Exposure limits

Name: Nickel dibutyldithiocarbamate

Personal protection

Respiratory Avoid breathing dust. In case of insufficient ventilation,

wear suitable respiratory equipment.

HandWear suitable gloves.EyeWear safety goggles.

Skin and bodyWear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Olive green powder	Colour	Olive green
Odour		Boiling point	
Melting point≽	85 ℃	Flash point	
Flammability		Explosion limits	
Explosive properties		Autoignition temperature	approx. 500℃
Oxidizing properties	not applicable	Ash %	
Density	not applicable	Loss on drying(%)≤	0.5
Solubility in water	Insoluble in cold water	Solubility in other solvents Ben	zene,toluene ,chlorobenzen
pH value		Nickel content (%)/	11.8-13.2
Residues (150um)% Max	≤0.1	Heating Loss % Max	
Viscosity		Assay content % ≥	95.0
Strength of grain (N)		Oil content %	1.0-2.0

10. STABILITY AND REACTIVITY

Stability (see section 7).

Conditions to avoid Illumination

Materials to avoid Strong oxidants, strong acid.

Hazardous decomposition products Thermal decomposition products: carbon monoxide (CO), nitrous gases (NOx).

11. TOXICOLOGICAL INFORMATION

Name Nickel dibutyldithiocarbamate

Acute toxicity

Oral LG50 rat: 2370 mg/kg.



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Dermal LD50 rabbit: 500 mg/kg.

Irritation

Skin Not expected to be a significant hazard.

Eye Dust or fumes from heated material may cause irritation to eyes.

12. ECOLOGICAL INFORMATION

Name Nickel dibutyldithiocarbamate

Ecotoxicity

Fish

Daphnia

Algae

Possibly hazardous short-term degradation products are not

Degradation Biotic likely. However, long-term degradation products may arise.

13. DISPOSAL CONSIDERATIONS

Product	Avoid discharge into the environment	
	Small quantities: According to local regulations.	
	Large quantities: Consult YLSCH Chemical for special advice.	
Contaminated packaging	According to local regulations.	
	Waste code number: Please refer to your specific industry	
Other information	er information in the European Waste Catalogue.	

14. TRANSPORT INFORMATION

Land transport (ADR/ RID)

ADR class ---- RID class ----

ADR/RID packing group ||| Hazard Identification No.

Substance Identification No. 3077 UN number 3077

Environmentally hazard us substance, solid, n.o.s.

Proper Shipping Name (Nickel dibutyldithiocarbamate)

Sea transport (IMDG-code/ IMO)



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Correct technical name ----- IMDG Class

UN Number -----

Packaging group

EMS Number ----

Air transport (ICAO-TI/ IATA-DGR)

ICAO-TI/IATA-DGR Class UN number ---

Packing group Environmentally hazardous substance, solid, n.o.s.

Correct technical name (Nickel dibutyldithiocarbamate)

15. REGULATORY INFORMATION

Chemical description Nickel dibutyldithiocarbamate

Labelling according to EC directives

EC-number See section 2

Classification based on Annex-1 to directive 67/548/EEC

R(isk) phrase(s) R 53 may cause long-term adverse effects in the aquatic environment.

S(afety) phrase(s) S 60 This material and its container must be disposed of as hazardous

waste.

S 61 Avoid release to the environment. Refer to special

instructions/Safety data sheets

Other information To be displayed on the label: "EC label".

Wassergefährdungsklasse (WGK) ----

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.