

**NICKEL SULFIDE****0928**

October 1997

CAS No: 12035-72-2  
RTECS No: QR9800000  
EC No: 028-007-00-4Heazlewoodite  
Nickel subsulphide  
Trinickel disulfide  
Ni<sub>3</sub>S<sub>2</sub>  
Molecular mass: 240.19

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: use appropriate extinguishing media.
<b>EXPLOSION</b>			In case of fire: keep drums, etc., cool by spraying with water.

EXPOSURE		PREVENT DISPERSION OF DUST! AVOID ALL CONTACT!	
<b>Inhalation</b>	Cough. Sore throat.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest.
<b>Skin</b>		Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
<b>Eyes</b>		Safety spectacles or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Ingestion</b>			Rest. Refer for medical attention.

**SPILLAGE DISPOSAL**

Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Personal protection: complete protective clothing including self-contained breathing apparatus.

**PACKAGING & LABELLING**T Symbol  
N Symbol  
R: 49-43-51/53  
S: 53-45-61**EMERGENCY RESPONSE****SAFE STORAGE**

## IMPORTANT DATA

**Physical State; Appearance**

PALE YELLOWISH BRONZE LUMPS WITH METALLIC LUSTRE.

**Chemical dangers**

The substance decomposes on heating to high temperatures producing sulfur oxides.

**Occupational exposure limits**

TLV: 0.2 mg/m<sup>3</sup> as TWA; A1 (confirmed human carcinogen); (ACGIH 2004).

MAK: sensitization of respiratory tract and skin (Sah);

Carcinogen category: 1; (DFG 2004).

**Routes of exposure**

The substance can be absorbed into the body by inhalation of its aerosol.

**Effects of long-term or repeated exposure**

Repeated or prolonged contact may cause skin sensitization.

This substance is carcinogenic to humans.

## PHYSICAL PROPERTIES

Melting point: 790/C

Relative density (water = 1): 5.82

Solubility in water: none

## ENVIRONMENTAL DATA

## NOTES

Depending on the degree of exposure, periodic medical examination is suggested.

Do NOT take working clothes home.

Card has been partly updated in April 2005. See sections EU classification, Occupational Exposure Limits.

## ADDITIONAL INFORMATION

## LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible