

LTS RESEARCH LABORATORIES, INC.
MATERIAL SAFETY DATA SHEET
NICKEL CARBIDE

GENERAL

MANUFACTURER/SUPPLIER: LTS RESEARCH LABORATORIES, INC.

COMPANY'S STREET: 37 RAMLAND ROAD
COMPANY'S CITY: ORANGEBURG
COMPANY'S STATE: NEW YORK
COMPANY'S ZIP CODE: 10962
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COMPANY'S EMERGENCY TEL. #: 800-424-9300 (LOCAL)
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DATE MSDS PREPARED: 10/2/13

1. PRODUCT IDENTIFICATION

PRODUCT NAME: NICKEL CARBIDE
FORMULA: Ni₃C
CAS #: 12710-36-0
MOLECULAR WEIGHT: 188.09

2. PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: 100°C
MELTING POINT: N/A
SPECIFIC GRAVITY (H₂O=1): 1.3759
VAPOR DENSITY: N/A
VAPOR PRESSURE: 24 mm Hg
EVAPORATION RATE: N/A
% VOLATILES: N/A
SOLUBILITY IN H₂O: INSOLUBLE
APPEARANCE AND ODOR: GREY, POWDER, PIECES, SPUTTERING TARGETS
ODORLESS

3. HAZARD IDENTIFICATION

HAZARD DESCRIPTION: N/A
RISK PHRASES: N/A
HMIS RATINGS:
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

4. FIRE FIGHTING MEASURES

FLASH POINT: N/A
AUTOIGNITION TEMPERATURE: N/A
FLAMMABLE LIMITS:
UPPER: N/A
LOWER: N/A
EXTINGUISHING MEDIA: PRODUCT IS NOT FLAMMABLE. USE FIREFIGHTING MEASURES
THAT SUIT THE SURROUNDING FIRE.
SPECIAL HAZARDS: IN CASE OF FIRE,

5. HEALTH HAZARD INFORMATION

ACUTE EFFECTS:
INHALATION: VAPORS MAY CAUSE HEADACHES, NAUSEA, DIZZINESS
AND RESPIRATORY TRACT IRRITATION.

SKIN CONTACT: MAY CAUSE ALLERGIC SKIN REACTION. PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION.
EYE CONTACT: CONTACT WITH EYES WILL CAUSE IRRITATION.
INGESTION: INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

6. STABILITY

STABILITY: STABLE
CONDITIONS TO AVOID: NONE
MATERIAL TO AVOID: NONE KNOWN
DANGEROUS REACTIONS: NONE KNOWN
HAZARDOUS
DECOMPOSITION PRODUCTS: NONE KNOWN

7. EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE TO FRESH AIR AND PROVIDE ARTIFICIAL RESPIRATION IF NECESSARY. SEEK IMMEDIATE MEDICAL ADVICE.
INGESTION: SEEK IMMEDIATE MEDICAL ATTENTION.
SKIN: WASH SKIN THOROUGHLY WITH MILD SOAP AND WATER. RINSE THOROUGHLY. SEEK IMMEDIATE MEDICAL ADVICE.
EYE: FLUSH EYES WITH PLENTY OF WATER. SEEK IMMEDIATE MEDICAL ADVICE.

8. HANDLING AND STORAGE

HANDLING & STORAGE: STORE IN A COOL, DRY PLACE IN TIGHTLY SEALED CONTAINERS. ENSURE GOOD VENTILATION. NO SPECIAL REQUIREMENTS ARE NECESSARY IF USED CORRECTLY.

9. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
RESPIRATION: WEAR NIOSH APPROVED DUST-MIST VAPOR RESPIRATOR.
VENTILATION: LOCAL EXHAUST TO MAINTAIN CONCENTRATION AT OR BELOW THE PEL, TLV.
PROTECTIVE GLOVES: RUBBER GLOVES.
EYE PROTECTION: SAFETY GLASSES
PROTECTIVE CLOTHING: PROTECTIVE GEAR SUITABLE TO PREVENT CONTAMINATION.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

10. TOXICITY DATA

CARCINOGENICITY: NO CLASSIFICATION DATA ON CARCINOGENIC PROPERTIES OF THIS MATERIAL IS AVAILABLE FROM THE EPA, IARC, NTP, OSHA, OR ACGIH.
ADDITIONAL INFORMATION: TO THE BEST OF OUR KNOWLEDGE THE ACUTE AND CHRONIC TOXICITY OF THIS SUBSTANCE IS NOT FULLY KNOWN.

11. TRANSPORTATION DATA

REGULATED FOR POWDER PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID N.O.S.
UN NUMBER:	3082
HAZARD CLASS:	9
PACKING GROUP:	III
ADR/RID CLASS:	9
IMDG CLASS:	9
ICAO/IATA CLASS:	9

12. OTHER INFORMATION

THIS SAFETY DATA SHEET SHOULD BE USED IN CONJUNCTION WITH TECHNICAL SHEETS. IT DOES NOT REPLACE THEM. THE INFORMATION GIVEN IS BASED ON OUR KNOWLEDGE OF THIS PRODUCT, AT THE TIME OF PUBLICATION. IT IS GIVEN IN GOOD FAITH. THE ATTENTION OF THE USER IS DRAWN TO THE POSSIBLE RISKS INCURRED BY USING THE PRODUCT FOR ANY OTHER PURPOSE OTHER THAN THAT FOR WHICH IT WAS INTENDED. THIS DOES NOT IN ANY WAY EXCUSE THE USER FROM KNOWING AND APPLYING ALL THE REGULATIONS GOVERNING HIS ACTIVITY. IT IS THE SOLE RESPONSIBILITY OF THE USER TO TAKE ALL PRECAUTIONS REQUIRED IN HANDLING THE PRODUCT. THE AIM OF THE MANDATORY REGULATIONS MENTIONED IS TO HELP THE USER TO FULFILL HIS OBLIGATIONS REGARDING THE USE OF HAZARDOUS PRODUCTS.

