

Material Safety Data Sheet

Section 1 - Product Information

Product Name: **NC600 (No Clean Wire)**

Manufacturer: Qualitek International, Inc.
315 Fairbank Street
Addison, IL 60101, USA

Emergency Telephone Number: 1-800-535-5053
Information Telephone Number: 1-630-628-8083
Fax Number: 1-630-628-6543

Date Prepared: January 3, 2001

Supersedes: 03/20/97

Section 2 - Hazardous Ingredients

Hazardous Components:

<u>Chemical</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Wt. %</u>
** Lead	7439-92-1	0.05mg/m ³	0.15mg/m ³	*
Tin	7440-31-5	2.00mg/m ³	2.00mg/m ³	*
** Silver	7440-22-4	0.01mg/m ³	0.10mg/m ³	*

Non-Hazardous Components:

Other ingredients are not considered hazardous according to 29 CFR 1910.1200

Hazard Rating Systems

HMIS: Health: 2 Flammability: 0 Reactivity: 0 Personal Protection: X

Section 3 - Physical and Chemical Characteristics

Boiling Point: (760mm Hg): 1,380°C

Melting Point: ***

Solubility in Water: Partial

Appearance and Odor: Silver gray metal in
Wire form, odorless

Specific Gravity (H₂O = 1 @24°C): ***

Vapor Pressure (mm Hg): 1mm@866°C

Reactivity in Water: None

Vapor Density (AIR=1): N/D

Evaporation Rate(Butyl Acetate=1): Not
Applicable

Section 4 - Fire and Explosion Data

Flash Point: N/A

Auto-Ignition Temperature: N/A

Extinguishing Media: Carbon Dioxide, Dry
Chemical or Alcohol Foam

Unusual Fire and Explosion Hazards: None

Flammable Limits: LEL Lower: N/A

UEL Upper: N/A

Special Fire Fighting Procedures: None

Section 5 - Reactivity Data

Incompatibility (Materials to Avoid): Strong acids, strong oxidizers

Hazardous Decomposition or By products: May release toxic vapors such as CO¹, CO²

Hazardous Polymerization: May Occur: Will not Occur:

Stability: Stable: Unstable Conditions to Avoid: None

*Composition and weight % of Solder Wire vary widely, and can be determined by product label. Solder wire is typically 96-99% alloy metal composition.

**Subject to reporting requirements of SARA TITLE III, Section 313 and 40 CFR Part 372.

*** Melting Point and specific gravity are dependent on composition of solder alloy. Contact factory with specific alloy composition.

Section 6 - Health Hazards

Acute (Severe Short Term) Health Hazards: Inhalation of fumes or ingestion may cause headache, nausea, muscular pain. Irritation of eye and nose may result from contact with soldering fumes.

Chronic (Long Term) Health Hazards: Anemia, Insomnia, weakness, constipation, nausea and abdominal pain due to ingestion. Skin rash, damage of mucous membrane due to skin exposure and inhalation.

Carcinogenicity: Not listed as a carcinogen by NTP, OSHA, ACGIN: IARC classifies lead and its compounds as a Group 2B carcinogen (possibly carcinogenic to humans)

Signs and Symptoms of Exposure: Irritation of Pulmonary System, skin rash.

Medical Conditions Generally Aggravated by Exposure: Pre-existing conditions of the lungs, diseases of the blood and blood forming organs; kidneys, nerves and possibly reproductive systems.

Emergency and First Aid Procedures: Perform the following First Aid Procedures; consult a Physician and get proper medical attention when necessary, in case of contact with smoke from soldering or repeated skin contact.

Eye Contact: Flush eyes with plenty of water for 15 minutes.

Skin Contact: Wash thoroughly with soap and water; use lotion to prevent dryness. If molten solder comes in contact with skin, cool with water.

Inhalation: Remove victim to fresh air. If breathing stops, give CPR and contact a physician.

Ingestion: Drink a lot of water, DO NOT INDUCE VOMITING and get proper medical attention

Section 7 - Special Precautions and Spill/Leak Procedures

Steps to be taken in Case Material is Released or Spilled: : In solid state, pick-up & reuse. When molten, let solidify and: if not contaminated - reuse, if contaminated - dispose of properly.. Clean up residual with Isopropanol or detergent water.

Waste Disposal Method: Dispose in accordance with Federal, State, and local regulations.

Precautions to be taken in Handling and Storage: Do not store near spark or flame.

Other Precautions: : Avoid repeated or prolonged breathing of vapor or skin contact; wash hands immediately, remove paste from under finger nails.

Section 8 – Special Protection Information / Control Measures

Respiratory Protection: Usually not required. When ventilation is not adequate to remove smoke (during soldering) from breathing zone a cartridge type respirator should be used.

Ventilation & Local Exhaust: As required keep PEL & TLV below the limit.

Protective Gloves: Neoprene or rubber.

Eye Protection: Safety glasses or goggles recommended

Other Protective Clothing or Equipment: Not required.

Work / Hygienic Practices: Wash hands after handling product, avoid prolonged or repeated contact with skin or breathing fumes and vapors.

Section 9 - Other Regulatory Information

TSCA: Subject Chemical substance(s) and ingredient(s) are listed on the "TSCA Inventory" of Chemical substances maintained by the U.S. Environmental Protection Agency.

CERCLA: As sold, in wire form, there is no RQ (reportable quantity) for this product; however if metal is made into pieces smaller than 100 micrometers, the RQ for lead is 10 pounds and the RQ for silver is 1,000 pounds. Contact Local Authorities to determine if there are any local reporting requirements.

California Proposition 65: This product contains lead, a chemical known to some states to cause cancer and birth defects or other reproductive harm.

DOT: DOT Proper Shipping Name - not regulated by DOT

This information contained herein is based upon data considered accurate and is offered solely for information, consideration and investigation. Qualitek extends no warranties, makes no representations, and assumes no responsibility as to the accuracy, completeness, or suitability of this data for any purchaser's use. The data on the Material Safety Data Sheet relates only to this product and does not relate to use with any other material or in any process. All chemical products should be used only by, or under, the direction of technically qualified personnel, who are aware of the hazards involved, and the necessity for reasonable care in handling. Hazard communication regulations, USA Occupational Safety and Health Act (OSHA), and Canada Workplace Hazardous Materials Information System (WHMIS), require that employees must be trained on the use of Material Safety Data Sheets as a source of hazardous information. NC600