# SAFETY DATA SHEET

## FCT Companies

**Date Printed:** 4/26/2024
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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT CODE:** NC676A
**PRODUCT TRADE NAME:** NC676A
**COMMON NAMES/SYNONYMS:** NC676A 63/37 Solder Paste
**CATEGORY:** PasteLead
**RECOMMENDED USE:** 63/37 Solder Paste, For industrial use only, refer to label and technical data sheet or call number below

**MANUFACTURER**

FCT
1309 North 17th Ave., Greeley, CO 80631, Phone 970-346-8002

**24 HR. EMERGENCY TELEPHONE NUMBERS**

800-535-5053

**Emergency Contact:** INFO TRAC
**E-Mail:** customerservice@floridacirtech.com
**Emergency Phone:** 800-535-5053
**Alternate Emergency Phone:** 800-686-6504

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Grey paste

**IMMEDIATE CONCERNS:** No applicable data available

**POTENTIAL HEALTH EFFECTS**

**EYES:** Causes serious eye irritation.

**SKIN:** Causes skin irritation.

**INGESTION:** May cause nausea and vomitting. May cause irritation to the mouth, throat and stomach.

**INHALATION:** May cause physical discomfort to the respiratory tract.

**UNCLASSIFIED HAZARDS:** This product contains lead!

**SIGNAL WORD:** Danger

**Potential Carcinogens as listed by OSHA, IARC, or NTP:** Lead

**OSHA HCS Status** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**GHS Pictogram:**

**Hazard Statement(s)**

| Code | Statement | GHS Chapter | Category |
|---|---|---|---|
| H312 | Harmful in contact with skin | Acute toxicity, dermal (chapter 3.1) | 4 |
| H315 | Causes skin irritation | Skin corrosion/irritation (chapter 3.2) | 2 |
| H317 | May cause an allergic skin reaction | Sensitization, skin (chapter 3.4) | 1 |
| H319 | Causes serious eye irritation | Serious eye damage/eye irritation (chapter 3.3) | 2A |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled | Sensitization, respiratory (chapter 3.4) | 1 |

| | | | |
|---|---|---|---|
| H351 | Suspected of causing cancer | Carcinogenicity (chapter 3.6) | 2 |
| H360 | May damage fertility or the unborn child | Reproductive toxicity (chapter 3.7) | 1A, 1B |
| H373 | May cause damage to organs through prolonged or repeated exposure | Specific target organ toxicity, repeated exposure (chapter 3.9) | 2 |
| H413 | May cause long lasting harmful effects to aquatic life | Hazardous to the aquatic environment, chronic toxicity (chapter 4.1) | 4 |

**Precautionary Statement(s)**

| | |
|---|---|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+ P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P302+ P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P305+ P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P501 | Dispose of contents/ container to an approved waste disposal plant. |

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Common Names | CAS | Weight %age |
|---|---|---|---|
| Tin | Tin | 7440-31-5 | 50.00 % - 60.00 % |
| lead | lead | 7439-92-1 | 20.00 % - 30.00 % |
| Di(ethylene glycol) hexyl ether | Di(ethylene glycol) hexyl ether | 112-59-4 | 0.00 % - 1.00 % |
| Hydrogenated rosin | Hydrogenated rosin | 65997-06-0 | 2.00 % - 4.00 % |

## 4. FIRST AID MEASURES

**COMMON SYMPTOMS OF OVEREXPOSURE:** No Applicable data available

**EYES:** Immediately flush with water for at least 15 minutes or until the chemical is removed.

**SKIN:** Wash off immediately with soap and water. If clothing is contaminated, remove and launder before reuse.

**INGESTION:** If conscious, rinse mouth with water. Seek medical advice on whether to induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

**INHALATION:** Move to fresh air. Get medical attention if symptoms occur.

**NOTES TO PHYSICIAN:** Follow usual and customary procedures

**ADDITIONAL INFORMATION:** No Applicable data available

**COMMENTS:** No Applicable data available

## 5. FIRE FIGHTING MEASURES

**FLASH POINT AND METHOD:** No applicable data available

**FLAMMABLE LIMITS:** LEL : No applicable data available UEL: No applicable data available

**GENERAL HAZARD:** As with any chemical fire, combustion products of unknown toxicity are always possible.

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam or water spray.

**FIRE FIGHTING EQUIPMENT:** Vapors and fumes may be irritating and toxic. Firefighters should wear selfNo applicable data availablecontained breathing apparatus and full fireNo applicable data availablefighting turnout gear.

**SENSITIVE TO STATIC DISCHARGE:** No applicable data available

**COMMENTS:** Standard procedure for chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb spilled liquid in a suitable material. Sweep or vacuum material into disposal containers.
**LARGE SPILL:** Absorb spilled liquid in a suitable material. Sweep or vacuum material into disposal containers.
**EMERGENCY PROCEDURES:** For hazardous waste regulations call 800-424-9346, the RCRA Hotline. Personal precautions, protective equipment and emergency procedures: Evacuate area. Keep upwind of spill. Refer to section 7, Handling, for additional precautionary measures. Only trained and properly protected personnel must be involved in clean-up operations. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and personal protection.
**GENERAL PROCEDURES:** If possible, stop further leakage of the material. Contain spilled material by diking with non-flammable diking materials.
**RELEASE NOTES:** Collect as much as possible in a clean container for reuse (if not contaminated) or disposal (if contamintated). Prevent from entering into soil, ditches, sewers, waterways and/or ground water. See section 12 Ecological information.
**SPECIAL PROTECTIVE EQUIPMENT:** Isolate area. Use appropriate safety equipment. For additional information, refer to section 8, Exposure Controls and Personal Protection.
**COMMENTS:** See also section 13 for disposal information.

## 7. HANDLING AND STORAGE

**HANDLING:** Use good industrial practices when handling. Avoid eye, skin, and clothing contact. Do not inhale mist or vapors. Do not taste or swallow. Use only with adequate ventilation.
**STORAGE:** Keep container closed when not in use. Avoid elevated and freezing temperatures.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name | OSHA PEL | OSHA STEL | ACGIH TWA | ACGIH STEL |
|---|---|---|---|---|
| Tin | 2 mg/m3 | NE | 2 mg/m3 | NE |
| lead | .05 ppm | NE | .05 ppm | NE |
| Di(ethylene glycol) hexyl ether | | | | |
| Hydrogenated rosin | | | | |

**ENGINEERING CONTROLS:** Work in well ventilated areas. Do not breathe vapors or mist. Ensure that existing ventilation is sufficient to prevent the circulation and/or accumulation of vapors in the air.
**PERSONAL PROTECTIVE EQUIPMENT:**
**EYES AND FACE:** Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor.
**SKIN:** Wear nitrile or latex gloves. Wear protective clothing.
**RESPIRATORY:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
**WORK HYGIENIC PRACTICES:** Discard contaminated gloves after use. Have eye-wash facilities in the immediate vicinity. Work in adequately ventilated area. Do not breathe vapors or mist. Minimize any contact with any chemical.
**COMMENTS:** Eye wash station and safety shower should be available in immediate work area. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment, in accordance with the OSHA PPE Standard (29 CFR 1910.132), be conducted before using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance Form:** PASTE
**Appearance Color:** Grey

**Odor:** None to slight
**Odor Threshold:** Not Determined
**pH-value @ 68 °F:** N/A
**Melting point:** 350 F
**Boiling Point:** >700 F
**Flash Point:** Non Flammable
**Flammability:** no data available
**Ignition temperature:** no data available
**Auto Igniting:** no data available
**Danger of explosion:** no data available
**Explosion Lower Limit:** Not Established
**Explosion Upper Limit:** Not Established
**Vapor pressure @ 68 °F:** Not Determined
**Relative Density:** >5
**Vapor Density:** Not Determined
**Evaporation Rate:** N/A
**Solubility in Water:** Insoluble
**Partition coefficient:** no data available
**Dynamic viscosity:** no data available
**Kinematic viscosity:** no data available
**Organic Content %age:** no data available
**Water %age:** no data available
**Solids Content %age:** no data available
**Other Informartion:** no data available

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable
**REACTIVITY:** See sub-sections below.
**POLYMERIZATION:** Hazardous polymerization is not expected to occur under normal temperatures and pressures.
**CONDITIONS TO AVOID:** None known.
**POSSIBILITY OF HAZARDOUS REACTIONS:** None expected.
**INCOMPATIBLE MATERIALS:** None known
**HAZARDOUS DECOMPOSITION MATERIALS:** Not Determined

## 11. TOXICOLOGICAL INFORMATION

**SKIN:** Skin Corrosion/Irritation: Irritating., Skin Acute Toxicity: Not Determined
**EYES:** Smoke during soldering can cause eye irritation.
**INHALATION:** Smoke during soldering can cause respiratory irritation.
**INGESTION:** Not Determined
**CARCINOGENICITY**
**IARC:** Lead is a suspected carcinogen by IARC, NTP, OSHA, and ACGIH.
**NTP:** Lead is a suspected carcinogen by IARC, NTP, OSHA, and ACGIH.
**OSHA:** Lead is a suspected carcinogen by IARC, NTP, OSHA, and ACGIH.
**DERMAL TOXICITY:** Not Determined
**MUTAGENICITY:** Not Determined
**SENSITIZATION:** Not Determined

**TERATOGENICITY:** Not Determined

**REPRODUCTIVE EFFECTS:** Not Determined

**TARGET ORGAN EFFECTS:** Not Determined

**ADDITIONAL INFORMATION:** no additional information.

## 12. ENVIRONMENTAL INFORMATION

| PRODUCT | TEST | DURATION | ORGANISM TYPE | TEST RESULTS |
|---|---|---|---|---|
| same as sds name | - | No applicable data available | No applicable data available | No applicable data available |

**ECOTOXICITY:** no applicable data available

**BIOACCUMULATION:** Not determined

**PERSISTENCE DEGRADABILITY:** Not determined

**MOBILITY:** Not expected to be very mobile.

**ENVIRONMENTAL DATA:** The product contains heavy metals. Do not transfer into the environment. Specific preliminary treatments are necessary.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

**EMPTY CONTAINER:** Empty Container Warning (Where applicable). Empty Containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty containers should be taken for recycling, recovery or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations.

**DISPOSAL INSTRUCTIONS:** The generation of waste should be avoided or minimized wherever possible and should at all times comply with the requirements of evironmental protection and waste disposal legislation and any regional local authority requirements.

**WASTE FROM RESIDUES / UNUSED PRODUCTS:** For hazardous waste regulations call 800-424-9346, the RCRA Hotline.

**CONTAMINATED PACKAGING:** For hazardous waste regulations call 800-424-9346, the RCRA Hotline.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** NON D.O.T. REGULATED

**TECHNICAL NAME:** no applicable data available

**PRIMARY HAZARD CLASS/DIVISION:** NA

**UN/NA NUMBER:** NA

**PACKING GROUP:** NA

**NAERG:** N/A

**LABEL:** NA

**EMS NO:** Not Applicable

**ADDITIONAL INFO:** In Accordance with IATA: Not regulated for transport.

In Accordance with IMDG: Not regulated for transport.

## 15. REGULATORY INFORMATION

**UNITED STATES**

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** On the inventory, or in compliance with the inventory

**US federal regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** no applicable data available

**CERCLA Hazardous Substance List (40 CFR 302.4):** YES RQ=10

**Superfund amendments and reauthorization act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance** NO

**SARA 304 Emergency release notification** no applicable data available

**SARA 311/312 Hazardous chemical** no applicable data available

**SARA 313 (TRI reporting)** YES

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)** no applicable data available

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**no applicable data available

**US state regulations**

**US. California Proposition 65:** YES

**US. New Jersey Worker and Community Right-to-Know Act:** no applicable data available

**US. Massachusetts RTK - Substance List:** no applicable data available

**US. Pennsylvania RTK - Hazardous Substances:** no applicable data available

**US. Rhode Island RTK:** no applicable data available

**Inventory Status:**

**Europe REACH:** On the inventory, or in compliance with the inventory

**USA TSCA:** On the inventory, or in compliance with the inventory

**Canada DSL:** On the inventory, or in compliance with the inventory

**Australia AICS:** On the inventory, or in compliance with the inventory

**New Zealand NZIOC:** On the inventory, or in compliance with the inventory

**Japan ENCS:** On the inventory, or in compliance with the inventory

**Korea KECI:** On the inventory, or in compliance with the inventory

**Philippines PICCS:** On the inventory, or in compliance with the inventory

**China IECSC:** On the inventory, or in compliance with the inventory

## 16. OTHER INFORMATION

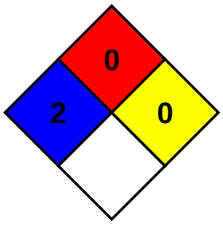
**TITLE:** EHS Management

**PREPARED BY:** FCT EHS and Compliance Dept.

**HEALTH:** 2

**FIRE:** 0

**REACTIVITY:** 0




**MANUFACTURER SUPPLEMENTAL NOTES:** no applicable data available

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disclaimed for loss or injury arising out of use of this information or the use of any materials designated. It is the user's responsibility for determining whether the product is suitable for its intended conditions of use.

| Key or legend to abbreviations and acronyms used in the safety data sheet | | | |
|---|---|---|---|
| ACGIH | American Conference of Government Industrial Hygienists | LD50 | Lethal Dose 50% |
| AICS | Australia, Inventory of Chemical Substances | LOAEL | Lowest Observed Adverse Effect Level |
| DSL | Canada, Domestic Substances List | NFPA | National Fire Protection Agency |
| NDSL | Canada, Non-Domestic Substances List | NIOSH | National Institute for Occupational Safety & Health |
| CNS | Central Nervous System | NTP | National Toxicology Program |
| CAS | Chemical Abstract Service | NZIoC | New Zealand Inventory of Chemicals |
| EC50 | Effective Concentration | NOAEL | No Observable Adverse Effect |
| EC | Effective Concentration | NOAEL | No Observable Adverse Effect Level |
| EC50 | Effective Concentration 50% | NOEC | No Observed Effect Concentration |
| EGEST | EOSCA Generic Exposure Scenario Tool | OSHA | Occupational Safety & Health Administration |
| EOSCA | European Oilfield Specialty Chemicals Association | PEL | Permissible Exposure Limit |
| EINECS | European Inventory of Existing Chemical Substances | PICCS | Philippines Inventory of Commercial Chemical Substances |
| MAK | Germany Maximum Concentration Values | PRNT | Presumed Not Toxic |
| GHS | Globally Harmonized System | RCRA | Resource Conservation Recovery Act |
| >= | Greater Than or Equal To | STEL | Short-term Exposure Limit |
| IC50 | Inhibition Concentration 50% | SARA | Superfund Amendments and Reauthorization Act. |
| IARC | International Agency for Research on Cancer | TLV | Threshold Limit Value |
| IECSC | Inventory of Existing Chemical Substances in China | TWA | Time Weighted Average |
| ENCS | Japan, Inventory of Existing and New Chemical Substances | TSCA | Toxic Substance Control Ac |
| KECI | Korea, Existing Chemical Inventory | UVCB | Unknown or Variable Composition,Complex Reaction Products, and Biological Materials |
| <= | Less Than or Equal To | WHMIS | Workplace Hazardous Materials Information System |
| LC50 | Lethal Concentration 50% | | |