

MATERIAL SAFETY DATA SHEET—“C” CLEANER

COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD TITLE 29 CFR PART 1910.1200

Page 1 of 4

SECTION 1 CONTACT INFORMATION

CONTRACTOR SOURCE LLC, 1262 LEAH RD, MORRIS ILLINOIS 60450 888 263 5895

24 HOUR EMERGENCY TELEPHONE	(800) 535-5053	INFOTRAC
MANUFACTURER CONTACT:	(88) 263 5895	WALTTOOLS 888 263 5895

TRADE NAME:	C-CLEANER concrete cleaner	NPCA HMIS RATINGS:
		Health: 2
PRODUCT CLASS:	Biodegradable Concrete Cleaner & Degreaser Solution	Flammability: 0
		Reactivity: 0
PRODUCT APPEARANCE & ODOR:	Clear green liquid with pleasant mild odor	Personal Protection: C - gloves and goggles

SECTION 2: HAZARDOUS INGREDIENTS

C CLEANER contains a non hazardous organic salt component which is considered proprietary trade secret information. This product contains no hydrochloric, phosphoric, or related inorganic acids. Specific chemical identities will be made available to medical professionals and others as required by 29 CFR 1910.2100 (i) (iv). Refer to Section 5 for additional Health Hazard information

SECTION 3: PHYSICAL DATA

The following data represents approximate or typical values. They do not constitute product specifications

VAPOR PRESSURE	<0.1 mm Hg (@ 20 ° C)	BOILING POINT:	100 ° C / 212 ° F
EVAPORATION RATE:	<1 (Slower than Butyl Acetate)	% VOLATILE BY VOLUME:	Approximately 50% ave..
WEIGHT PER GALLON:	Approx. 9.21 lb/gal +/- 0.10	pH:	Varies from 3.25 +/- 0.20
SPECIFIC GRAVITY	Approx. 1.15 – Concentrate and 1.08 lb./gal Ready To Use	V.O.C.:	This product contains no Volatile Organic Compounds
FREEZE POINT:	< -18 °C / 0° F	SOLUBILITY:	100% Soluble in water

SECTION 4: FIRE AND EXPLOSION DATA

FLAMMABILITY CLASS:	Not flammable (aqueous solution)
FLASH POINT:	Does not ignite
AUTOIGNITION TEMPERATURE:	N.A.
LOWER EXPLOSIVE LIMIT:	N.A.
SENSITIVITY TO STATIC DISCHARGE:	N.A.
EXTINGUISHING MEDIA:	Carbon dioxide, foam, dry chemical, water spray.
UNUSUAL FIRE AND EXPLOSION HAZARD	Material can splatter above 100 C / 212 F. Dried solids can burn, giving off oxides of carbon and nitrogen.
SPECIAL FIRE FIGHTING PROCEDURES:	Use air supplied rescue equipment for closed areas. Cool exposed containers with water.

TRADE NAME: "C" CLEANER

Page 2 of 4

SECTION 5: HEALTH HAZARD DATA

EMERGENCY OVERVIEW:	This product is corrosive to the eyes but is considered only a mild skin irritant. If ingested, this product may be harmful or fatal.
EFFECTS OF EXPOSURE:	
EYE CONTACT :	This product was found to be corrosive to eyes when tested using modified Draize method (OECD guidelines for testing chemicals, Sec. 4-5, 1992)
SKIN CONTACT:	Prolonged or repeated contact may cause irritation or reddening of the skin. <u>Non corrosive</u> to the skin as defined and tested in accordance with the U.S. OSHA's Hazard Communication Standard, DOT Hazardous Material Regulations, Canada's WHMIS regulations and TDG Regulations. Classified as a mild skin irritant per the 1992 OECD Guideline for Testing of Chemicals, Number 404 "Acute Dermal Irritation/Corrosion".
INHALATION:	Not a likely route of exposure due to physical properties. Product has a very low vapor pressure at room temperature and is not expected to present an inhalation hazard under ambient conditions
INGESTION:	This product may be harmful or fatal if ingested.
CARCINOGENICITY:	Non hazardous by WHMIS/OSHA criteria. Not listed by IARC, NTP, or ACGIH.

SECTION 6: EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT:	Flush eyes with large amounts of water until irritation subsides. Seek medical attention if necessary.
SKIN CONTACT:	Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists. Remove contaminated clothing and launder before re-use.
INHALATION:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.
INGESTION:	If swallowed, <u>do not</u> induce vomiting. If conscious, give 3-4 glasses of water to dilute and get immediate medical care. Never give anything by mouth to an unconscious person.

SECTION 7 REACTIVITY DATA

STABILITY:	Product is considered stable at regular temperatures.
CONDITIONS TO AVOID:	Avoid temperatures above 110C (230F), results in an exothermic decomposition with release of CO2 gas.
INCOMPATIBILITY (MATERIALS TO AVOID):	Avoid contact with oxidizers. This product may be hazardous in contact with chlorates or nitrates. Avoid contact with hypochlorites (e.g. chlorine bleach), sulfides, or cyanides which can liberate toxic gases. Contact with alkaline materials (ammonia) will generate heat.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition may yield , but not limited to oxides of carbon and nitrogen and chlorine. Hydrogen gas may be released upon contact with certain metals.
HAZARDOUS POLYMERIZATION:	Will not occur.

TRADE NAME: C CLEANER

Page 3 of 4

SECTION 8: ACCIDENTAL RELEASE & DISPOSAL MEASURES

LEAK AND SPILL PROCEDURE:	Collect for disposal. Clean up remaining materials from spill with suitable absorbent. Small spills may be absorbed with non-reactive absorbent (sand) and placed in a suitable, covered, labeled container. Prevent spills from entering sewers or waterways. Observe all personal protection equipment recommendations.
WASTE DISPOSAL:	Dispose of in accordance with local, state and federal regulations.

SECTION 9: SAFE HANDLING AND USE INFORMATION:

RESPIRATORY PROTECTION:	Not normally required with this product.
VENTILATION/ ENGINEERING CONTROLS:	Not normally required
PROTECTIVE GLOVES:	Use impervious (rubber or nitrile) gloves
EYE PROTECTION:	Use chemical safety/splash goggles
OTHER PROTECTIVE EQUIPMENT:	Impervious clothing or boots, if needed.
HANDLING PROCEDURES:	The usual precaution for the handling of chemicals must be observed.
DEPT. OF LABOR STORAGE CATEGORY:	Not regulated
STORAGE CONDITONS:	Store under cool, dry conditions and away from temperature extremes. The minimum recommended storage temperature for this material is 1 C/34F. The maximum recommended storage temperature is 49C/120F. Keep from freezing. If frozen , product is stable, however, it needs to re-thawed and mixed before using. Do not store in metal or aluminum containers, only use plastic (polyethylene, or polypropylene).
WORKPLACE CLASSIFICATION:	This product as supplied is non-hazardous under the OSHA Hazard Communication Standard (20 CFR 1910.1200).

SECTION 10: TOXIOLOGICAL INFORMATION

CARCINOGINITY:	Non hazardous by WHMIS/OSHA criteria. Not listed by IARC, NTP, or ACGIH.
TETRATOGENICITY, MUTAGENICTY, REPRODUCTIVE EFFECTS	This product was found not to be mutagenic when tested by the Ames Assay method (OECD guidelines for testing chemicals, Sec. 471).
ACUTE EYE IRRITATION/CORROSION TEST:	This product was found to be corrosive to eyes when tested using modified Draize method (OECD guidelines for testing chemicals, Sec. 4-5, 1992)

SECTION 11: ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:	Organic salt base is known to be biodegradable
FISH, ACUTE TOXICITY TEST, OECD 203	48 hour, LC50 >71 mg/L (ceriodaphnia dubia)

TRADE NAME: C CLEANER

Page 4 of 4

SECTION 12: TRANSPORT AND SHIPPING INFORMATION

U.S. DEPT. OF TRANSPORTATION -ROAD OR RAIL:	NOT REGULATED
U.S. DEPT. OF TRANSPORTATION - PROPER SHIPPING NAME:	Concrete Cleaning Solution
CANADIAN T.D.G.:	Corrosive Liquid, N.O.S. Contains urea monohydrochloride Hazard Class 8, ID# UN1760, Packing Group III. Note- This material is corrosive to Aluminum only. Non-Corrosive to skin and mild steel.
IMO WATER TRANSPORTATION:	Corrosive Liquid, N.O.S. Contains urea monohydrochloride Hazard Class 8, ID# UN1760, Packing Group III. Note- This material is corrosive to Aluminum only. Non-Corrosive to skin and mild steel.
IATA AIR TRANSPORTATION:	Corrosive Liquid, N.O.S. Contains urea monohydrochloride Hazard Class 8, ID# UN1760, Packing Group III. Note- This material is corrosive to Aluminum only. Non-Corrosive to skin and mild steel.

SECTION 13: REGULATORY INFORMATION

OCCUPATIONAL HEALTH & SAFETY REGULATIONS:	
WHMIS CLASSIFICATION	Class D-Division 2B, Class E. Note- This material is corrosive to Aluminum only. Non-Corrosive to skin and mild steel.
OSHA & WHMIS:	MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

SECTION 13: REGULATORY INFORMATION (CONTINUED)

ENVIRONMENTAL REGULATORY LISTS:	
SARA TITLE III, SECTION 313:	(Toxic Chemical Release Reporting) 40 CFR 372- None of the ingredients are listed.
TSCA (TOXIC SUBSTANCES CONTROL ACT):	All the ingredients are listed on the Chemical Substance Inventory
CANADIAN DSL:	All ingredients are listed.
INTERNATIONAL INVENTORY LISTINGS:	Components in this product are listed on the Australian AICS
CALIFORNIA PROPOSITION 65:	The following components of this product are substances, or belong to classes of substances, known to the state of California to cause cancer and/or reproductive toxicity: Chemical Name: None

USERS RESPONSIBILITY AND DISCLAIMER OF LIABILITY: Contractor source and or Waltools assumes no liability in connection with any use of this information. As the handling and use of products under user's conditions are beyond our control, no warranty, expressed or implied, including, but not limited to merchantability or fitness for a particular use, is made concerning this product. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. The user assumes all risk of use or handling whether or not in accordance with any directions or suggestions of the supplier. Seller shall not be liable to purchaser or any other person for loss or damages directly or indirectly arising from the use of our products, from breach of warranty or from any other cause, the exclusive remedy against the seller being to require replacement or repair of defective goods. All statements, information, recommendations and data provided in this material data safety sheet are believed to be accurate and reliable, but are presented without any guarantee. Users should make their own investigations to determine the suitability of the information or products for their particular purposes. Refer to 49 CFR (Code of Federal Regulations) for possible exceptions and exemptions. **Abbreviations:** CFR= Code of Federal Regulations, OSHA = Occupational Safety and Health Administration. NIOSH = National Institute of Occupational Safety and Health. ACGIH = American Conference of Governmental Industrial Hygienists. TLV = Threshold Limit Value (8-hr. TWA). TWA= Time Weighted Average. STEL= Short Term Exposure Limit (15 min. TWA). N.A. = Not Applicable. PEL = Permissible Exposure Limit (8-hr. TWA).

Date of preparation: 01-24-12- Supersedes all previous copies