



ISSUED 7/10/00
 MATERIAL SAFETY DATA SHEET
 M745-3542, M745-3543, M745-3544

1. PRODUCT IDENTIFICATION

Product Name NCP™ Part No- NCF
 Product Type CYANOACRYLATE ACCELERATOR Formula No. N/A

2. COMPOSITION

Ingredients	Chem. Formula	Other Generic Name(s)	CAS No.	%
Dichlorofluoroethane	(CH3CCl2F)	HCHC-141b	1717-00-6	98-99
N.N-Dialkyltoluidine	n/a	n/a	99-97-8	0.015-0.016
Organic Fragrance	n/a	n/a	Proprietary	0.002-0.003
2,6-DI-tert-Butyl-p-ORESOL	n/a	n/a	128-37-0	0.002-0.003

3. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure: 10.02 psi at 70deg. F
 Vapor Density: (Air =1.0) 4.1
 Solubility in Water: Slight
 Specific Gravity: 1.24 at 70 deg- F
 Boiling Point: 89.6 deg. F
 % Volatiles 100
 Evaporation Rate (Ether = 1) >1
 pH: Does not apply
 Appearance: Amber liquid
 Odor: Mild

4. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: None
 Flash Point Method: ASTM D-1310-67 and ASTM D-56-82
 Autoignition Temperature: 550 deg. C
 Health Hazard: 1
 Fire Hazard: 0
 Reactivity Hazard: 1
 Specific Hazard: No Water
 Estimated HMIS Code:
 Health Hazard: 1
 Flammability Hazard: 0
 Reactivity Hazard: 1
 Personal Protection: See Section 10.
 Flame Limit
 (% by volume in air)Lower 7.6
 (%by volume In air)Upper 17.7
 Flame Propagation Rate(Solids):Not solid Material
 OSHA Flammability Class: N/A
 Recommended
 Extinguishing Agents: Carbon dioxide, loam, dry chemical or water spray
 Hazardous Products Formed
 by Fire or Thermal Decomp Toxic chlorides and fluorides,
 Unusual Fire or
 Explosion Hazards:

Product will decompose at temperatures above 250 deg. C. Decomposition products include hydrochloric acid, hydroflouric acid/and carbonyl halides Such as phosgene. Contact with certain finely divided metals may cause an exothermic reaction and/or explosive combinations. Solvent vapors when present within the flammable range (listed above), especially in a confined or poorly ventilated space such as the air-vapor interface of a vapor degreaser can be ignited with a flame or high intensity source of heat.

Compressed Gases:

None

Pressure at Room Temp.:

Does not apply

Special Firefighting Precautions/Instructions:

Firefighters should wear NIOSH approved positive pressure self contained breathing apparatus for protection against suffocation and possible exposure to hydrochloric and hydrofluoric acids and phosgene. Also, proper eye and skin protection should be used. Use water spray to keep containers cool.

5. SPILL OR LEAK AND DISPOSAL PROCEDURES

Steps to be taken in case of spill or leak: - (Always wear recommended personal protective equipment.)

(Less than 1 pint): Move upwind and/or out of the area and allow to evaporate with good ventilation.

(Large Spills): Immediately evacuate the area and provide maximum ventilation. Only personnel equipped with proper respiratory and eye/skin protection should be permitted in area. Dyke to contain the spill. Take precautions as necessary to prevent contamination of ground and surface water. Spills and released may need to be reported to Federal and or local authorities.

Storage:

Keep product tightly capped and in original container. Store below 75 deg. F, This product boils at 89.6 deg. F hence with storage at higher temperatures contents may be under pressure. Exercise caution when opening. If product has been stored in direct sunlight or heated above the boiling point, allow to cool before opening.

Handling:

Always wear recommended personal protective equipment.) Avoid prolonged skin contact. Keep away from eyes. Avoid prolonged breathing of vapors.

7. SHIPPING REGULATIONS

US DOT CLASS: Not Regulated

US DOT ID NUMBER: Not Regulated

IATA

Proper Shipping Name	Unrestricted
Class or Division	Unrestricted
UN or ID Number	None

IMO

Substance	Not available
Marine Pollutant Status	Not available
Class	Not available
Subsidiary Risk Label	Not available
IMDQ Code Page	Not available
UN Number	Not available

8. REACTIVITY DATA

Stability:	Normally Stable
Hazardous Polymerization?	Will not occur
Hazardous Decomposition	Product will decompose at temperatures above 250 deg. C. Decomposition products include hydrochloric acid hydrofluoric acid, and carbonyl halides such asphosgene.

Incompatibility:

Finely divided reactive metals. Can react violently if in contact with alkali or alkali earth metals such as potassium or barium. Avoid sources of ignition such as sparks, hot spots, welding, flames and cigarettes.

9. EMERGENCY TREATMENT PROCEDURES

Ingestion: Do not induce vomiting unless instructed to by a physician. Do not give stimulants. Take immediately to a hospital or physician.

Inhalation: Remove to fresh air. Give artificial resuscitation if breathing has stopped. Give oxygen as necessary if qualified operator is available. Do NOT give stimulants or adrenalin (epinephrine). Get immediate medical attention.

Skin Contact: Wash promptly with soap and water for 15 minutes while removing contaminated clothing and shoes. Get immediate medical attention, thoroughly clean contaminated clothing and shoes before reuse or discard.

Eye Contact: Flush with large amounts of water for at least 15 minutes, lifting eyelids occasionally until no evidence of chemical remains. Get medical attention.

Advice to Physician None.

10. PERSONEL PROTECTION

Eyes: Safety glasses or goggles.

Skin: Use protective gloves such as Mylar® coated Durafab; PVA; or Neoprene.
 Respiratory Protection: None required under normal work situations where adequate ventilation is provided. Use NIOSH approved self-contained, positive pressure respirators for emergencies and in situations where air may be displaced by vapors.

Additional Recommendations: Safety shower and eyewash fountain in immediate area. Personal protective clothing and use of equipment must be in accordance with OSHA standards 29 CFR 1910.133 and 29 CFR 1910.132

11. HEALTH HAZARD DATA

Primary Routes of Entry: Skin contact, Inhalation, Ingestion, and Eye contact.

Signs and Symptoms of Exposure:

Skin: Prolonged and or repeated contact with this solvent can cause Irritation of the skin (defatting of skin).

Eyes: Irritant: Liquid contact will irritate eyes and may cause conjunctivitis.

Inhalation: Dizziness, loss of concentration and irritation. With high exposure levels, effects can include central nervous system (CNS) depression (intoxication) and cardiac arrhythmia. Product vapors displace air and can cause suffocation especially in a confined space.

Ingestion: Similar symptoms as for Inhalation. Discomfort due to volatility of the solvent would be expected.

Delayed Effects: None currently found.

Existing Conditions.

Aggravated by Exposure: None known

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER LIMITS
Dichlorofluoroethane	None Established	None Established	500ppm 8 hour
HYDROQUINONE	2 mg/m3 TWA	2 mg/m3 TWA	None

Ingredients for which no Exposure Limits have been established are not listed above,

Ingredients	Literature Referenced Target Organ and Other Health Effect	Carcinogen		
		NTP	IARC	OSHA
N N-Dialkyltoluidine	No Data	NO	N/A	NO
Organic Fragrance	No Data	NO	NO	NO

12. HEALTH HAZARD ABBREVIATIONS

N/A	Not Applicable	CAR	Cardiac
IRR	Irritant	KID	Kidney
LIV	Liver	MET	Metabolic
NER	Nervous System		

FOR ADULT USE ONLY
 KEEP AWAY FROM CHILDREN

Warning: Contains dichlorofluoroethane HCFC141b, a substance which harms public health and environment by destroying ozone in the upper atmosphere.

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