

ISSUED 1/1/2010

NCF QUICK Accelerator

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name NCF QUICK

Part Number QA-6

Product Type AEROSOL ACCELERATOR

Formula No. N/A

2. COMPOSITION

Ingredients	Chem. Formula	Other Generic Name(s)	CAS No.	%
N-Hexane			101-54-3	70-75
N,N-Dialkyltoluidine	n/a	n/a	99-97-8	.015-0.016
Ethane, 1,1,1,2-Tetrafluoro			811-97-2	14-10

3. CHEMICAL AND PHYSICAL PROPERTIES

Appearance: Clear to amber liquid

Odor: Mild

Boiling Point: 155°F

pH: Does not apply

Solubility in Water: Not available

Specific Gravity: Approximately 0.69

Volatile Organic Compound

(EPA Method 24) 39% (Base only)

Vapor Pressure: Approximately 35-40 psig @ 70°

Vapor Density: Approximately 2 (Base only)

Evaporation Rate

(nBuAc = 1) 8.8

4. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: 0°F Method: Tag Closed Cup

Flash Point Method ASTM D-1310-67 and ASTM D-56-82

Autoignition Temperature 550 deg. C

Estimated NFPA(R) Code: NFPA is a registered trademark of the National Fire Protection Assn.

Health Hazard: 1

Fire Hazard: 3

Reactivity Hazard: 0

Specific Hazard: Does not apply

Estimated HMIS(R) Code: HMIS is a registered trademark of the National Paint and Coatings Assn.

Health Hazard: 1

Flammability Hazard: 3

Reactivity Hazard: 0

5. FIRE FIGHTING MEASURES

Flash Point: 0°F (Base) Method: Tag Closed Cup
No Flash point (Propellants)

Recommended

Extinguishing Agents: Carbon dioxide, foam, dry chemical

Special Firefighting

Procedures: Not available

Hazardous Products formed by Fire or Thermal Decomp Irritating organic vapors

Unusual Fire or Explosion Hazards: Cans may explode in fires.

Explosive Limits:

(% by volume in air) Lower 1.2% N,N-Dialkyltoluidine

1-7% N-Hexane

(% by volume in air)Upper 7% N,N-Dialkyltoluidine

Compressed Gases: Contents under pressure

Pressure at Room Temp.: 96 psi.

Special Firefighting Precautions/Instructions:

The use of self contained breathing apparatus is recommended of fire fighters. Containers exposed to intense heat from fires must be cooled with water to prevent vapor pressure buildup which could result in container rupture. Keep containers cooled with water and remove them from danger if it can be done with minimal risk. Aerosols can be projectiles when bursting. If aerosols are bursting, stay clear until bursting is complete.

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5. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Avoid flame and sparks. Maintain adequate ventilation. Soak up in an inert absorbent and store in a closed container until disposal.

6. STORAGE AND HANDLING PROCEDURES

Safe Storage: Store away from flame and sparks and below 120F

Handling: Avoid prolonged breathing of fumes. Avoid skin or eye contact. Always wear recommended personal protective equipment.) Avoid prolonged skin contact. Keep away from eyes. Avoid prolonged breathing of vapors.

7. SHIPPING REGULATIONS

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity (Not more than one liter); N-Hexane solution (More than one liter)

Hazard Class or Division: ORM-D (Not more than one liter); Class 2, Packing Group II (More than one liter)

Identification Number: None (Not more than one liter); UN 1208 (More than one liter)

Marine Pollutant: None

IATA

Proper Shipping Name: Consumer Commodity (Not more than 500 ml); N-Hexane solution (More than 500 ml)

Class or Division: Class 9 (Not more than 500 ml); Class 3, Packing Group II (More than 500 ml)

UN or ID Number: ID 8000 (Not more than 500 ml); UN 1208 (More than 500 ml)

Label: Miscellaneous Dangerous Goods

Packing Instructions: 910

8. REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Combustion May Produce Carbon Monoxide, Carbon Dioxide and other unidentified organic compounds
Incompatibility: Strong oxidizers
Conditions to Avoid: Not available
Hazardous Decomposition Products (non-thermal): None

9. EMERGENCY TREATMENT PROCEDURES

Ingestion: Give water to dilute. Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.
Skin Contact: Wash with soap and water.
Eye Contact: Flush with water for at least 15 minutes. Obtain medical attention.

10. PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Use protective gloves such as Mylar/E 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 eye-wash 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. DISPOSAL CONSIDERATIONS

Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material. Do not incinerate cans still under pressure.

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12. 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)	ACGIH	OSHA	OTHER
Ingredients	(TLV)	(PEL)	
N-Hexane	50 ppm TWA 180 mg/m ³	500 ppm TWA 1800 mg/m ³	None

Exposure Limits (STEL)	ACGIH	OSHA
Ingredients	(TLV)	(PEL)
N-Hexane	50 ppm 1782 mg/m ³	None

Toxicity: Possible eye irritant. Moderately toxic by ingestion. Estimated dermal LD50 more than 2000 mg/kg.

Primary Routes of Entry: Inhalation, ingestion, contact.

Signs and Symptoms of Exposure: Vapors irritate eyes, nose and throat. Liquid is an eye irritant and may irritate skin.

Existing Conditions Aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
N-Hexane	BLO CNS IRR	NO	NO	NO
N,N-Dialkyltoluidine	ALG MUT	NO	NO	NO

13 . HEALTH HAZARD ABBREVIATIONS

N/A	Not Applicable	CAR	Cardiac
IRR	Irritant	KID	Kidney
LIV	Liver	MET	Metabolic
NER	Nervous System	CNS	Central nervous system
BLO	Blood	MUT	Mutagen

14. REGULATORY INFORMATION

CA Proposition 65: No California Proposition 65 chemicals are known to be present.

Emergency Phone Numbers:
(303) 592-1711(Poison Control)

Revision Date: January 1, 2010

Revision: 0001

FOR ADULT USE ONLY KEEP AWAY FROM CHILDREN