

# MATERIAL SAFETY DATA SHEET

650  
3/7/96

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** QUICK SET ACTIVATOR  
**IES PART NUMBER:** 650

**MANUFACTURER:** INTERNATIONAL EPOXIES & SEALERS

**ADDRESS:** 30241 COMMERCE DRIVE  
SAN ANTONIO, FL 33576

**24 HOUR EMERGENCY PHONE:** ( INFOTRAC ) 800-535-5053

**INFORMATION PHONE:** (800) 451-7206

**DATE PREPARED:** MARCH 21, 2002

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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| INGREDIENT:              | CAS NO. | OSHA PEL-  | ACGIH TLV  | HAZARDOUS | % WT |
|--------------------------|---------|------------|------------|-----------|------|
| ACETONE                  | 67-64-1 | 1000ppm    | 750ppm     | yes       | 99 % |
| N,N-DIMETHYL-P-TOLUIDINE | 99-97-8 | not listed | not listed | yes       | 1%   |

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## SECTION 3: HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:** DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM.

**SAFETY RATING:**

**HEALTH;** 1 (SLIGHT), **FLAMMABILTY;** 4 (EXTREME), **REACTIVITY;** 2 (MODERATE), **CONTACT;** 1 (SLIGHT)

**POTENTIAL HEALTH EFFECTS**

**EYES:** Possible Irritation

**SKIN:** Possible (Irritation and Dermatitis)

**INGESTION:** Possible (May produce CNS depression)

**INHALATION:** Possible ( Irritant )

**ACUTE HEALTH HAZARDS:**

Liquid is severely irritating to eyes. High vapor concentration is also irritating to eyes.

Liquid is mildly irritating to skin. Prolonged or repeated contact will cause defatting of skin and lead to irritation and dermatitis.

If inhaled, high vapor concentration may lead to CNS depression. Ingestion may produce CNS depression

**CHRONIC HEALTH HAZARDS:** Unknown

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Preexisting eye and skin disorders

May be aggravated by exposure to Acetone.

**OTHER:** Signs and symptoms of exposure, irritation as noted above, early to moderate CNS (Central Nervous System)

Depression may be evidenced by giddiness, headache, dizziness and nausea. In extreme cases

Unconsciousness and death may occur.

Medical conditions generally aggravated by exposure: preexisting eye and skin disorders may be aggravated by exposure to Acetone.

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Flush eyes with water. Hold eyelids open. Get medical attention if symptoms develop and persist.

**SKIN:** Remove clothing, flush exposed skin with water. Get medical attention if symptoms develop and persist.

**INGESTION:** ASPIRATION HAZARD. If swallowed, vomiting may occur spontaneously, but **DO NOT INDUCE VOMITING** .If vomiting occurs, keep head below hips to prevent aspiration into lungs. Get medical attention. never give unconscious person any thing by mouth.

**INHALATION:** Remove victim too fresh air and if needed, immediately begin artificial respiration. Give oxygen if breathing is labored Get emergency medical help. Contact Physician immediately.

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## SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR, UPPER:** 12.8%  
(% BY VOLUME / AIR) **LOWER:** 2.6%

**FLASH POINT:** (-15° F) (-26.1° C) **METHOD USED:** TCC

### NFPA HAZARD CLASSIFICATION

**HEALTH:** 3

**FLAMMABILITY:** 4

**REACTIVITY:** 2

**EXTINGUISHING MEDIA:** Dry powder, Carbon Dioxide (CO<sub>2</sub>) " Alcohol " Foam, use water to cool containers.

**SPECIAL FIRE FIGHTING PROCEDURES:** DANGER EXTREMELY FLAMMABLE. Get all people out of the area. Wear protective clothing and NIOSH approved pressure supplied masks. Cool containers first.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Containers may rupture from internal pressure if confined to fire area. Cool with water. Get non-essential people out of the area.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Danger ! Extremely Flammable, remove all ignition sources.

**Small spills:** Pick up with absorbent media. Store as hazardous waste.

**Large Spills:** Contain with dikes, pick up with vacuum truck. Handle as hazardous waste. Notify proper Local, State and Federal Agencies.

**Vapor release:** Get people out of the area, shut off ignition sources, and ventilate the area. Notify proper authorities if required by SARA Title III.

## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Store in a cool, ventilated area, away from ignition sources. Store away from oxidizers or materials bearing a yellow "DOT" label.

**OTHER PRECAUTIONS:** Containers even those, which have been emptied, may contain explosive vapors. Do not cut, weld, grind or perform similar operations unless the container has been properly cleaned.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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**VENTILATION :** Local (preferred) and or general exhaust systems are recommended to keep employee exposures below the Airborne Exposure Limits.

**RESPIRATORY PROTECTION:** NIOSH approved organic vapor mask.

**EYE PROTECTION:** Chemical Goggled or full-face shield.

**SKIN PROTECTION:** Chemical resistant gloves suitable for Ketone Solvents.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Not normally needed.

**WORK HYGIENIC PRACTICES:** Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in Section VI. Launder contaminated clothing before reuse.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Colorless, Mobile liquid.

**ODOR:** Mild odor.

**BOILING POINT:** 133° F, 56.1°C

**MELTING POINT:** (-139° F), ( - 95°C )

**VAPOR PRESSURE (mmHg):** 175 @ 20° C

**VAPOR DENSITY (AIR = 1):** 2.0

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 0.80 @ 60° F

**EVAPORATION RATE ( BuAc=1 ):** 5.6

**SOLUBILITY IN WATER:** Completely Soluble

**VOLATILE ORGANIC COMPOUNDS (VOC):** 791 grams / Liter

**SECTION 10: STABILITY AND REACTIVITY**

**STABILITY:** Product is stable.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Oxidizers or oxydizing materials. Mixing large quantities with cyanoacrylate adhesives will cause violent reaction.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon dioxide and carbon monoxide may form when heated to decomposition.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 11: TOXICOLOGY INFORMATION:**

| Ingredient                | NTP CARCINOGEN |                          | IARC CATEGORY |
|---------------------------|----------------|--------------------------|---------------|
|                           | CAS#           | (KNOWN) OR (ANTICIPATED) |               |
| ACETONE:                  | 67-64-1        | NO                       | NONE          |
| N,N-DIMETHYL-P-TOLUIDINE: | 99-97-8        | NO                       | NONE          |

**SECTION 12: ECOLOGICAL INFORMATION:**

**ACETONE:** CAS # 67-64-1;

**Environmental Fate;** When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material is expected to too quickly evaporate. When released into water, this material is expected to readily biodegrade. This material has a log octanol-water partition coefficient of less than 3.0. This material is not expected to significantly bioaccumulate. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to be readily removed from the atmosphere b wet deposition.

**Environmental Toxicity:** This material is not expected to be toxic to aquatic life. The LC50/96-hour values for fish are over 100 mg/l

**N,N-DIMETHYL-P-TOLUIDINE:** CAS # 99-97-8

**Environmental Fate;** No information found.

**Environmental Toxicity;** No information found.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** EPA approved hazardous waste disposal site. Follow applicable regulations.

**SECTION 14: TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:** Acetone

**HAZARD CLASS:** 3 ( Flammable Liquid )

**ID NUMBER:** UN 1090

**PACKING GROUP:** II

**SECTION 15: REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** 40 CFR 710 Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with TSCA.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** RQ 5000

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** Yes

**Threshold Planning Quality:** None **Reportable Quantity:** None

| 313 REPORTABLE INGREDIENTS: | CHEMICAL NAME | CAS #   | WEIGHT % |
|-----------------------------|---------------|---------|----------|
|                             | ACETONE       | 67-64-1 | 99       |

**CLEAN AIR ACT;** Yes **CLEAN WATER ACT:** Not Listed

**SECTION 16: OTHER INFORMATION**

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