

# Safety Data Sheet

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Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** 650 Quick Set Activator

### Other means of identification

**SDS #** IES-FO650

**Product Code** 650  
**UN/ID No** UN1090

### Recommended use of the chemical and restrictions on use

**Recommended Use** Cyanoacrylate Activator.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

International Epoxies & Sealers  
30241 Commerce Drive  
San Antonio, FL 33576

#### **Emergency Telephone Number**

**Company Phone Number** 1-800-451-7206  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Colorless, Mobile liquid      **Physical State** Liquid      **Odor** Mild

### Classification

Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable Liquids	Category 2

### Signal Word

**Warning**

### Hazard Statements

Causes serious eye irritation  
May cause respiratory irritation. May cause drowsiness or dizziness  
May be fatal if swallowed and enters airways  
Highly flammable liquid and vapor



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep cool

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a poison center or doctor/physician  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do not induce vomiting  
 IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
 Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Unknown Acute Toxicity**

2% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Acetone	67-64-1	95-99
N,N-DIMETHYL-P-TOLUIDINE	99-97-8	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Flush eyes with water. Hold eyelids open. Get medical attention if symptoms develop and persist.
<b>Skin Contact</b>	Remove clothing, flush exposed skin with water. Get medical attention if symptoms develop and persist.

<b>Inhalation</b>	Remove victim to fresh air and if needed, immediately begin artificial respiration. Give oxygen if breathing is labored. Get emergency medical help. Contact Physician immediately.
<b>Ingestion</b>	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.

**Most important symptoms and effects**

<b>Symptoms</b>	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. See Section 11: Toxicological Information of this SDS for more detailed symptoms.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting eye and skin disorders May be aggravated by exposure to Acetone.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Dry powder, Carbon Dioxide (CO<sup>2</sup>) " Alcohol " Foam, use water to cool containers.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Highly flammable liquid and vapor.

**Sensitivity to Static Discharge** Flammable mixtures of this product are readily ignited even by static discharge.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Get all people out of the area. Containers may rupture from internal pressure if confined to fire area. Cool with water. Get non-essential people out of the area.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Remove all sources of ignition.
<b>Other Information</b>	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.

**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so. Contain with inert material.
<b>Methods for Clean-Up</b>	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.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Advice on Safe Handling**

Wash face, hands, and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep containers closed when not in use. Ground/bond container and receiving equipment. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. Use personal protection recommended in Section 8. Keep cool. 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.

### Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Store in a cool, well-ventilated area, away from ignition sources and incompatible materials. Keep container tightly closed. Store locked up. Store away from oxidizers or materials bearing a yellow "DOT" label.

#### **Incompatible Materials**

Oxidizers or oxidizing materials. Mixing large quantities with cyanoacrylate adhesives will cause violent reaction.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>

### Appropriate engineering controls

#### **Engineering Controls**

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

### Individual protection measures, such as personal protective equipment

#### **Eye/Face Protection**

Chemical Goggled or full-face shield.

#### **Skin and Body Protection**

Chemical resistant gloves suitable for Ketone Solvents.

#### **Respiratory Protection**

NIOSH approved organic vapor mask.

#### **General Hygiene Considerations**

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 on section 4 of this SDS. Launder contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Colorless, Mobile liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
pH	Not determined		
Melting Point/Freezing Point	-95 °C / -139		
Boiling Point/Boiling Range	56.1 °C / 133 °F		
Flash Point	-26.1 °C / -15 °F	TCC	
Evaporation Rate	5.6	(butyl acetate = 1)	
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	12.8%		
Lower Flammability Limit	2.6%		
Vapor Pressure	175 mm Hg	@ 20°C (68°F)	
Vapor Density	2.0	(Air=1)	
Specific Gravity	0.80 @ 60°F	(1=Water)	
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
VOC Content	791 grams / Liter		

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Incompatible materials, ignition sources and excessive heat.

### Incompatible Materials

Oxidizers or oxidizing materials. Mixing large quantities with cyanoacrylate adhesives will cause violent reaction.

### Hazardous Decomposition Products

Carbon dioxide and carbon monoxide may form when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).
<b>Inhalation</b>	May cause respiratory irritation. May cause drowsiness or dizziness.
<b>Ingestion</b>	May be fatal if swallowed and enters airways.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg ( Rat )	-	-
N,N-DIMETHYL-P-TOLUIDINE 99-97-8	= 1650 mg/kg ( Rat )	-	= 1400 mg/m <sup>3</sup> ( Rat ) 4 h

### Information on physical, chemical and toxicological effects

<b>Symptoms</b>	Signs and symptoms of exposure, irritation as noted in section 4, 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.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>STOT - single exposure</b>	May cause respiratory irritation. May cause drowsiness or dizziness.

### Numerical measures of toxicity

Not determined

<b>Unknown Acute Toxicity</b>	2% of the mixture consists of ingredient(s) of unknown toxicity.
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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

2% of the mixture consists of component(s) of unknown hazards to the aquatic environment

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Acetone 67-64-1		4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	EC50 = 14500 mg/L 15 min	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50

N,N-DIMETHYL-P-TOLUIDINE CAS # 99-97-8		42 - 50.5: 96 h Pimephales promelas mg/L LC50 flow-through		
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**Persistence/Degradability**

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. 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 by wet deposition.

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

Environmental Fate; No information found.

**Bioaccumulation**

This material is not expected to significantly bioaccumulate.

**Mobility**

Chemical Name	Partition Coefficient
Acetone 67-64-1	-0.24
N,N-DIMETHYL-P-TOLUIDINE 99-97-8	2.81

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Acetone 67-64-1		Included in waste stream: F039		U002

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Acetone 67-64-1	Ignitable

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**  
**UN/ID No** UN1090  
**Proper Shipping Name** Acetone  
**Hazard Class** 3  
**Packing Group** II  
**Reportable Quantity (RQ)** 5000 lbs for Acetone

**IATA**  
**UN/ID No** UN1090  
**Proper Shipping Name** Acetone  
**Hazard Class** 3  
**Packing Group** II

**IMDG**  
**UN/ID No** UN1090  
**Proper Shipping Name** Acetone  
**Hazard Class** 3  
**Packing Group** II

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** 40 CFR 710 Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with TSCA

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Acetone 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**US State Regulations**



**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone 67-64-1	X	X	X

<b>16. OTHER INFORMATION</b>
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**NFPA****Health Hazards**

3

**Flammability**

4

**Instability**

2

**Special Hazards**

Not determined

**HMIS****Health Hazards**

1

**Flammability**

4

**Physical Hazards**

2

**Personal Protection**

Not determined

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**