

Material Safety Data Sheet

LIGHTNING TACK ACCELERATOR CONCENTRATE

GLOBAL ADHESIVES, LLC

2800 SWEETWATER AVE A-105
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SAFETY DATA SHEET

LIGHTNING TACK CYANOACRYLATE ACCELERATOR

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: Cyanoacrylate Adhesive Accelerator

CAS number: 99-97-8 DMPT, 67-64-1 ACETONE

EINECS number: 202-805-4

Index number: 612-056-00-9

Synonyms: N,N-DIMETHYL-P-TOLUIDINE

Company name: GLOBAL ADHESIVES, LLC

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: SUBSTITUTED TOLUIDINE 1-5% EINECS: 202-805-4 CAS: 99-97-8 [T] R23/24/25; [Xn] R33; [-] R52/53

- ADHESION PROMOTER SILANE 5-10% CAS: 2530-83-8 [Xi] R36/38
- ACETONE 95 TO 97% CAS #67-64-1

3. HAZARDS IDENTIFICATION

Main hazards: **Extremely Flammable.** Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots and a positive pressure NIOSH approved self contained breathing apparatus. MATERIAL WILL READILY IGNITE AT AMBIENT TEMPERATURES. Harmful by inhalation, in contact with skin and if swallowed. Danger of cumulative effects

Exposure Limits : ACGIH (TLV) 750pp-TWA 1000 ppm - STEL

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Irritation or pain may occur at the site of contact. Absorption through the skin may occur causing symptoms similar to those of ingestion.

Eye contact: Irritating and will injure eye tissue if not removed promptly

Ingestion: There may be difficulty swallowing. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation. Nausea and stomach pain may occur. There may be vomiting. May cause bronchiopneumonia or pulmonary edema. The breathing may become shallow and rapid. May cause dizziness.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath. There may be loss of consciousness. High vapor concentrations may cause dizziness and headaches, This may also effects to your central nervous system.

FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Dry chemical powder. Water spray. Alcohol or polymer foam.

Exposure hazards: Toxic. In combustion emits toxic fumes of nitrogen oxides.

Protection of fire-fighters: . MATERIAL WILL READILY IGNITE AT AMBIENT TEMPERATURES. Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

HMIS Health 2 Flammability 3 Reactivity 0

NFPA Health 2 Flammability 3 Reactivity 0

Exposure Limits LEL 2.6 UEL 13.0

Extinguishing Media: Water Fog, Foam, Dry Chemical or Carbon Dioxide

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Evacuate the area immediately.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits

WEL (8 hr exposure limit): UV (OES)

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be used in handling.

Hand protection: Protective gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing with elasticized cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Color: Pale yellow

Oxidizing: Non-oxidizing (by EC criteria)

Boiling point/range 133°F:

Flammability limits %: lower: 1.2

upper: 7

Flash point 0°F

Relative density: 0

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. With Flames.

Materials to avoid: Acids. Acid chlorides. Acid anhydrides. Strong oxidizing agents.

Hazardous, decomposition, products: In combustion emits toxic fumes of nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: SUBSTITUTED TOLUIDINE

IPR MUS LD50 212 mg/kg

12. ECOLOGICAL INFORMATION

Other adverse effects: Harmful to aquatic organisms. The ingredient acetone if released in a spill requires notification to the National Response Center (800-424-8802 and your local emergency planning committee)

13. DISPOSAL CONSIDERATIONS

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal. The un-used product is a RCRA hazardous waste if discarded. The number is U 002 and D 001

14. TRANSPORT INFORMATION

ADR / RID

UN no: 2810 **ADR Class:** 6.1

Labeling: class 9 p6205 amdt 24-86

IATA / ICAO

UN no: 1090 **Class:** 3

Packing group: 2

15. REGULATORY INFORMATION

Hazard symbols: Harmful.

Risk phrases: R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R33: Danger of cumulative effects.

Safety phrases: S36/37: Wear suitable protective clothing and gloves.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: The solvents can have a defatting action on the skin making it susceptible to sensitization /dramatic effect especially in sensitive individuals

THIS DATA SHEET IS ISSUED IN ACCORDANCE WITH THE EUROPEAN (CHIPS 3.1) DIRECTIVE 2004/73/EC (29 ATP) on 29th april 2005 AND BECOMES / IS EFFECTIVE.

Risk phrases used in s.2: R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R33: Danger of cumulative effects.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R36/38: Irritating to eyes and skin.

Extremely Flammable

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.