



**SAFETY DATA SHEET**  
KLINE'S AUTO UC MEDIUM ACTIVATOR

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

**Product name:** KLINE'S AUTO UC MEDIUM ACTIVATOR

**Product code:** UCMA

**Use of substance / preparation:** HARDENER CONTAINS ISOCYANATE, XYLENE, MIXTURE OF SOLVENTS

**Company name:** KLINE'S AUTO Inc.

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Allentown

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USA

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**2. HAZARDS IDENTIFICATION**

**Main hazards:** Flammable. Harmful by inhalation and in contact with skin. Irritating to skin. May cause sensitisation by skin contact.

**Other hazards:** May cause sensitisation by skin contact.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous ingredients:** N-BUTYL ACETATE 10-20%

EINECS: 204-658-1 CAS: 123-86-4

[-] R10; [-] R66; [-] R67

• XYLENE 20-30%

EINECS: 215-535-7 CAS: 1330-20-7

[-] R10; [Xn] R20/21; [Xi] R38

• 2-METHOXY-1-METHYLETHYL ACETATE 10-20%

EINECS: 203-603-9 CAS: 108-65-6

[-] R10; [Xi] R36

• HEXAMETHYLENE DIISOCYANATE OLIGOMERS 30-50%

[cont...]

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EINECS: 500-060-2 CAS: 28182-81-2

[Sens.] R43

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide. Dry chemical powder. Alcohol or polymer foam. Do not use water.

**Exposure hazards:** Flammable. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

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

**Clean-up procedures:** Absorb into dry earth or sand. Wash the spillage site with large amounts of water.

### 7. HANDLING AND STORAGE

**Handling requirements:** Ensure there is sufficient ventilation of the area. Smoking is forbidden.

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Workplace exposure limits

**WEL (8 hr TWA):** 0.02 mg/m<sup>3</sup>

**WEL (15 min STEL):** 0.07 mg/m<sup>3</sup>

**Hazardous ingredients:** N-BUTYL ACETATE

WEL (8 hr TWA): 724 mg/m<sup>3</sup> WEL (15 min STEL): 966 mg/m<sup>3</sup>

• XYLENE

WEL (8 hr TWA): 220 mg/m<sup>3</sup> WEL (15 min STEL): 441 mg/m<sup>3</sup>

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- 2-METHOXY-1-METHYLETHYL ACETATE  
WEL (8 hr TWA): 274 mg/m<sup>3</sup> WEL (15 min STEL): 548 mg/m<sup>3</sup>
- HEXAMETHYLENE DIISOCYANATE OLIGOMERS  
WEL (8 hr TWA): 0.02 - 0.07 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Compressed airline breathing apparatus (EN139).

**Hand protection:** Nitrile gloves.

**Eye protection:** Face-shield.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Colourless

**Odour:** Aromatic

**Evaporation rate:** Moderate

**Solubility in water:** Insoluble

**Also soluble in:** Most organic solvents.

**Viscosity:** Non-viscous

**Viscosity value:** 100 cps

**Flammability limits %: lower:** 1.0

**upper:** 6.6

**Flash point°C:** 24

**Autoflammability°C:** 490

**Relative density:** 1.0

**VOC g/l:** 585 (4.91 lbs/gal)

### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat. Sources of ignition. Flames.

**Materials to avoid:** Acids. Bases. Oxidising agents. Amines.

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** N-BUTYL ACETATE

ORL MUS LD50 6 gm/kg

ORL RAT LD50 10768 mg/kg

- XYLENE

ORL MUS LD50 2119 mg/kg

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## KLINE'S AUTO UC MEDIUM ACTIVATOR

ORL RAT LD50 4300 mg/kg

SCU RAT LD50 1700 mg/kg

- 2-METHOXY-1-METHYLETHYL ACETATE

IPR MUS LD50 750 mg/kg

ORL RAT LD50 8532 mg/kg

**Chronic toxicity:** May cause sensitisation by skin contact.**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

### 12. ECOLOGICAL INFORMATION

**Mobility:** Insoluble in water.**Persistence and degradability:** Not biodegradable.**Bioaccumulative potential:** No data available.**Other adverse effects:** Very toxic to aquatic organisms.

### 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** D10 Incineration on land.

R1 Solvent reclamation/regeneration.

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### 14. TRANSPORT INFORMATION

#### ADR / RID

**UN no:** 1263**ADR Class:** 3**Packing group:** III**Classification code:** F1**Shipping name:** PAINT RELATED MATERIAL**Labelling:** 3**Hazard ID no:** 30

#### IMDG / IMO

**UN no:** 1263**Class:** 3**Packing group:** III**EmS:** F-E,S-E**Marine pollutant:** .**Labelling:** 3

**IATA / ICAO****UN no:** 1263**Class:** 3**Packing group:** III**Packing instructions:** 309(P&CA); 310(CAO)**Labelling:** 3**15. REGULATORY INFORMATION****Hazard symbols:** Harmful.**Risk phrases:** R10: Flammable.

R20/21: Harmful by inhalation and in contact with skin.

R38: Irritating to skin.

R43: May cause sensitisation by skin contact.

**Safety phrases:** S23: Do not breathe vapour/spray

S24: Avoid contact with skin.

S36/37: Wear suitable protective clothing and gloves.

S42: During fumigation / spraying wear suitable respiratory equipment.

**Precautionary phrases:** Contains isocyanates. See information supplied by the manufacturer.**Haz. ingredients (label):** N-BUTYL ACETATE; XYLENE; HEXAMETHYLENE DIISOCYANATE OLIGOMERS**Water hazard class:** 1**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:** This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.**Risk phrases used in s.3:** R10: Flammable.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

R20/21: Harmful by inhalation and in contact with skin.

R38: Irritating to skin.

R36: Irritating to eyes.

R43: May cause sensitisation by skin contact.

**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.