



SAFETY DATA SHEET
KLINE'S AUTO UC SLOW ACTIVATOR

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Issued: 25/11/2009
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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: KLINE'S AUTO UC SLOW ACTIVATOR

Product code: UCSA

Use of substance / preparation: HARDENER CONTAINING ISOCYANATE, MIXTURE OF SOLVENTS

Company name: KLINE'S AUTO Inc.

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Allentown

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2. HAZARDS IDENTIFICATION

Main hazards: Flammable. Irritating to eyes and respiratory system. May cause sensitisation by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful: may cause lung damage if swallowed.

Other hazards: May cause sensitisation by skin contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: N-BUTYL ACETATE 1-10%

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

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

- LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. 30-50%

EINECS: 265-199-0 CAS: 64742-95-6

[T] R46; [Xn] R65; [-] R10; [Xi] R37; [N] R51/53

- 2-METHOXY-1-METHYLETHYL ACETATE 20-30%

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

[-] R10; [Xi] R36

[cont...]

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- HEXAMETHYLENE DIISOCYANATE OLIGOMERS 30-50%
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. Avoid all incompatible materials in clean-up procedure - see section 10 of SDS.

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/m³
- WEL (15 min STEL):** 0.07 mg/m³
- Hazardous ingredients:** N-BUTYL ACETATE
WEL (8 hr TWA): 724 mg/m³ WEL (15 min STEL): 966 mg/m³

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- 2-METHOXY-1-METHYLETHYL ACETATE
WEL (8 hr TWA): 274 mg/m³ WEL (15 min STEL): 548 mg/m³
- HEXAMETHYLENE DIISOCYANATE OLIGOMERS
WEL (8 hr TWA): 0.02 - 0.07 mg/m³

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: 1.7

upper: 7.6

Flash point°C: 27

Autoflammability°C: 370

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

- LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM),
LIGHT AROM.

ORL RAT LD50 8400 mg/kg

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- 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.

Dangerous for the environment.

**Risk phrases:** R10: Flammable.

R36/37: Irritating to eyes and respiratory system.

R43: May cause sensitisation by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

Safety phrases: S24: Avoid contact with skin.

S37: Wear suitable gloves.

S42: During fumigation / spraying wear suitable respiratory equipment.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Precautionary phrases: Contains isocyanates. See information supplied by the manufacturer.**Haz. ingredients (label):** LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; 2-METHOXY-1-METHYLETHYL ACETATE; 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.

R46: May cause heritable genetic damage.

R65: Harmful: may cause lung damage if swallowed.

R37: Irritating to respiratory system.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

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environment.

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.