

# SAFETY DATA SHEET

ACETONE

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Issued: 22/09/08

Revision No: 2

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

**Product name:** ACETONE  
**CAS number:** 67-64-1  
**EINECS number:** 200-662-2  
**Index number:** 606-001-00-8  
**Product code:** S106  
**Company name:** Automotive Bodyfillers Ltd  
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## 2. HAZARDS IDENTIFICATION

**Main hazards:** Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking.  
Vapours may cause drowsiness and dizziness.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** ACETONE >90%

## 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. The eyes may water profusely.  
**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. Exposure may cause coughing or wheezing.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash skin with soap and water. Remove contaminated clothing as washing proceeds.  
Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical attention if blistering occurs or redness persists.  
**Eye contact:** Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.  
**Ingestion:** Immediately rinse mouth and provide fresh air. DO NOT induce vomiting. Get medical attention immediately. If breathing stops or shows signs of failing, apply artificial respiration.  
**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

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**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Water spray, fog or mist. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc. DO NOT use water jet.

**Exposure hazards:** In combustion emits toxic fumes.

**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. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**7. HANDLING AND STORAGE**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

**Storage conditions:** Keep in cool, dry ventilated storage and closed containers.

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

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Workplace exposure limits**

**WEL (8 hr TWA):** 1210 mg/m<sup>3</sup> (OES)

**WEL (15 min STEL):** 3620 mg/m<sup>3</sup> (OES)

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

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Colourless

**Odour:** Pungent

**Solubility in water:** Soluble

**Boiling point/range°C:** -56

**Melting point/range°C:** -95

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**Flammability limits %: lower:** 2.60  
**upper:** 13  
**Flash point°C:** -18  
**Autoflammability°C:** 465  
**Relative density:** 0.79

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.  
**Conditions to avoid:** Heat, flames and sparks.  
**Materials to avoid:** Strong oxidising agents. Strong acids.  
**Haz. decomp. products:** In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity:** ACETONE  
IVN RAT LD50 5500 mg/kg  
ORL MUS LD50 3 gm/kg  
ORL RAT LD50 5800 mg/kg  
**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Readily absorbed into soil.  
**Persistence and degradability:** Biodegradable.  
**Bioaccumulative potential:** No bioaccumulation potential.  
**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** This material must be disposed of via an Authorised Waste/Disposal Company in accordance with Local or national Disposal Regulations.  
**Disposal of packaging:** Arrange for collection by specialised disposal company.  
**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

<b>UN no:</b> 1090	<b>ADR Class:</b> 3
<b>Packing group:</b> II	<b>Classification code:</b> F1
<b>Shipping name:</b> ACETONE (ACETONE)	
<b>Labelling:</b> 3	<b>Hazard ID no:</b> 33



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**IMDG / IMO**

**UN no:** 1090 **Class:** 3  
**Packing group:** II **EmS:** F-E,S-D  
**Marine pollutant:** NO  
**Labelling:** 3

**IATA / ICAO**

**UN no:** 1090 **Class:** 3  
**Packing group:** II  
**Packing instructions:** 305(P&CA); 307(CAO)  
**Labelling:** 3

**15. REGULATORY INFORMATION**

**Hazard symbols:** Highly flammable.  
Irritant.



**Risk phrases:** R11: Highly flammable.  
R36: Irritating to eyes.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S2: Keep out of the reach of children.  
S9: Keep container in a well-ventilated place.  
S16: Keep away from sources of ignition - No smoking.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Haz. ingredients (label):** ACETONE

**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**

**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. Automotive Bodyfillers Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

