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**MATERIAL SAFETY DATA SHEET NO. 509****TRADE ESSENTIALS - SOLVENT ACETONE**

**IMPORTANT NOTICE:** This Material Safety Data Sheet (MSDS) is issued by the Laminex Group in accordance with National Occupational health and Safety Commission (NOHSC) Guidelines. As such, the information contained herein must not be altered, deleted or added to. The Laminex Group will issue a new MSDS when there is a change in product specifications and/or NOHSC guidelines/regulations. The Laminex Group will not accept any responsibility for any changes made to its MSDS in content by any other person.

**STATEMENT OF HAZARDOUS NATURE:** This product is classified as a hazardous substance according to the criteria of NOHSC and a Dangerous Good by the criteria of the Australian Dangerous Goods (ADG) Code

**COMPOSITION & INFORMATION ON INGREDIENTS**

<b>Chemical Entity</b>	<b>CAS No.</b>	<b>Proportion</b>	<b>R phrases</b>
<b><u>Hazardous Constituents</u></b>			
Acetone	67-64-1	100%	R11, R20, R21, R22, R48

No other hazardous materials are present in this product at concentrations above the cut off levels as noted in the NOHSC List of Designated Hazardous Substances, or as defined in the Approved Criteria for Classifying Hazardous Substances NOHSC: 1008(2004).

**AICS status:** All components of the finished products are listed on the AICS.

**HEALTH HAZARD INFORMATION****Health Effects**

Short-term exposure by all routes is considered to be practically non – harmful.

**Acute:**

Eye: A severe eye irritant

Skin: Contact with skin will result in mild irritation Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to dermatitis effects.

Inhalation: Vapour is an irritant to mucous membranes and respiratory tract.

Inhalation of high concentrations can produce central nervous system depression that can lead to loss of co-ordination, impaired judgment and if exposure is prolonged, unconsciousness and possible death. Acute massive intoxication may cause some liver and / or kidney damage.

## **FIRST AID**

- Swallowed:** Do not induce vomiting - seek immediate medical attention. Consult with Poisons Information Centre
- Eye:** Flush with flowing water for at least 15 minutes. Eyelids to be held open, Remove clothing if contaminated and wash contaminated skin. Urgently seek medical attention. Transport to hospital or medical centre.
- Skin:** Immediately wash contaminated skin with plenty of water. Remove contaminated clothing and wash before reuse. If swelling, redness, blistering or irritation occurs seek medical advice.
- Inhaled:** Remove victim from exposure - avoid becoming a casualty. If breathing laboured and patient cyanotic (blue) ensure airway is clear and have qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek medical advice.

**Advice to Doctor:** Treat symptomatically.

## **FIRE FIGHTING MEASURES**

### **Sources of Ignition Advice**

Highly flammable liquid. May form explosive mixtures with air. Avoid all ignition sources. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed.

### **Fire / Explosion Hazard**

Highly flammable liquid. If safe to do so, remove containers from path of fire. Keep containers cool with water spray.

### **Fire Fighting Recommendations**

Use water fog, foam, carbon dioxide and dry chemical fire extinguishers

## **ACCIDENTAL RELEASE MEASURES**

Clear area of all unprotected personnel. Wear full protective equipment to prevent skin and eye contamination and inhalation of vapours. Shut off all possible sources of ignition.

Contain - prevent contamination entering drains and waterways. Cover with damp absorbent (sawdust, sand or soil). Use a spark free shovel to collect and seal in properly labeled drums for disposal. Wash contaminated area down with excess water.

Product is normally suitable for incineration by approved agent. Refer to State Land Waste Management Authority

## HANDLING & STORAGE

Store in a cool place away from sources of heat or ignition. Store away from foodstuffs. Keep containers closed at all times.

UN No.: 1090 Packaging Group: II

Classified as a DG Class 3.1 (HIGHLY FLAMMABLE LIQUID) Dangerous Goods for the purpose of transport. Refer to State Regulations for storage and transport requirements.

Restrictions on loading with Flammable Gases (DG Class 2.1) in bulk, Poisonous Gases (DG Class 2.3), Spontaneously Combustible (DG Class 4.2) or Oxidising Agents (DG Class 5) may apply.

## EXPOSURE CONTROLS & PERSONAL PROTECTION

### Exposure

This material contains the following materials for which exposure limits have been set by NOHSC as listed in "National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC: 1003(1995)]" is as follows:

Hazardous Components	CAS No.	Exposure Limit
Acetone	67-64-1	TWA 500ppm STEL 1000 ppm

### Ventilation

Use with adequate ventilation. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces here vapour may have collected

### Personal Protection

#### Respiratory type (AS1716)

Organic vapour mask if exposed to mist or vapours at up to 10 times the exposure limit. Above this level use air supplied or self-contained breathing apparatus.

#### Glove Type

Impervious gloves should be worn to prevent skin contact. Consult industrial glove supplier for a suitable glove

#### Eye

Goggles or face shields to avoid splashes

#### Clothing

Sufficient to avoid skin contact.

## PHYSICAL & CHEMICAL PROPERTIES

**Appearance:** Clear colourless liquid, distinctive odour.

Boiling point, °C:	56°C
Melting Point °C	-94°C
Vapour Pressure:	30kPa at 20°C
Solubility in Water:	Miscible
Percent Volatiles:	100%
Specific Gravity:	0.79
Flash Point, °C:	-17°C
Flammability Limits, %:	2.6 - 12.8
Auto ignition Temperature, °C:	465°C

**Uses:** Cleaning Solvent

## STABILITY & REACTIVITY

### Reactivity

Stable at normal temperature and pressures

## TOXICOLOGY

- ❑ Oral LD50 (rat) = 5800 mg / kg
- ❑ Oral Lowest Toxic Dose (man) = 2857 mg / kg - Coma
- ❑ Dermal LD50 (rat) = 50,100 mg/m<sup>3</sup>/8 hours
- ❑ Inhalation Lowest toxic concentration (man) = 12,000 ppm / 4 hours
  - Nausea or vomiting; muscle weakness

## ECOLOGICAL INFORMATION

No data available for the product. Do not allow product to enter the environment. Waste material should be collected and disposed of according to the relevant Local / State or Federal regulations.

## DISPOSAL

Refer to Land Waste Management Authority

## TRANSPORT INFORMATION

Restrictions on loading with Flammable Gases (DG Class 2.1) in bulk, Poisonous Gases (DG Class 2.3), Spontaneously Combustible (DG Class 4.2) or Oxidising Agents (DG Class 5) may apply.

Proper Shipping Name	Solvent Acetone
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UN Number	1090
Dangerous Goods Class	3.1
Subsidiary Risk	Not Applicable
Hazchem Code	2[Y]E
Poisons Schedule	5

## REGULATORY INFORMATION

### Hazard Classification

Harmful Xn

### Risk Phrases

R11	Highly flammable
R20	Harmful by inhalation
R21	Harmful by contact with skin
R22	Harmful if swallowed
R48	Danger of serious damage to health by prolonged exposure

### Safety Phrases

S 9	Keep container in well ventilated place
S16	Keep away from sources of ignition. No smoking
S24	Avoid contact with skin
S25	Avoid contact with eyes
S29	Do not empty into drains
S33	Take precautionary measures against static discharge
S51	Use only in well ventilated areas

### Contact Point:

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