

**REGAL DISTRIBUTORS SA (PTY) LTD**  
**ELECTRONIC SECURITY EQUIPMENT SUPPLIERS**

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**1. PRODUCT IDENTIFICATION:**

Trade name: RT 727  
Chemical family: ketones

**2. COMPOSITION:**

Hazardous components:	70%	Ketones
EEC classification:	F	Highly Flammable
R Phrases:	R11	Highly Flammable

**3. HAZARDS IDENTIFICATION:**

Main hazard:	From inhalation. High concentrations of vapours cause moderate irritation of eyes and respiratory system. The effect is temporary.
Flammability:	Highly Flammable.
Health effects:	Will burn eyes and may cause severe damage. Eye irritation can occur at concentrations greater than 350 ppm.
- eyes:	Irritating to skin, may cause smarting and reddening. Not readily absorbed.
- skin:	Low toxicity. A food addition permitted in food for human consumption.
- ingestion:	Vapour is irritating to mucous membranes and acts as an anaesthetic in very high concentration. Prolonged inhalation may cause headache.
- inhalation:	None by OSHA, NTP, NIOSH, MAK.
Carcinogenicity:	Not toxic.
Neurotoxicity:	

**4. FIRST AID MEASURES:**

Eye contact:	Flush with copious amounts of clean water.
Skin contact:	Wash with soap and water.
Ingestion:	DO NOT INDUCE VOMITING. Wash out mouth thoroughly with water and give water or milk to drink. Obtain medical attention.
Inhalation:	If breathing is affected give oxygen. Obtain medical attention.

**5. FIRE FIGHTING MEASURES:**

Extinguishing media:	Carbon Dioxide, foam and dry chemical.
Special Hazards:	Highly flammable. Vapour could flash or explode if ignited.
Protective clothing:	Self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES:**

Personal precautions:  
Environmental precautions:  
Spillage:

See section 8  
Prevent spills from entering storm sewers and drains  
Mop up with plenty of water and run to waste. Ventilate area well to cause remaining liquid to evaporate and to dispel vapour.

**7. HANDLING AND STORAGE:**

Suitable material:

50ml Aluminium tubes  
210lt metal drums.

Precautions:

Do not puncture containers. Store in flameproof room. Keep cool. Avoid exposure to naked flames.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

Exposure limits:  
Control measures:

TLV 750ppm  
Use in well-ventilated areas. Do not expose to or use near naked flames.

Respiratory:  
Hand:  
Eye:  
Skin:  
Other:

Chemical cartridge. Air supply.  
Rubber gloves if repeated contact is likely.  
Normal industrial eye goggles.  
Impervious clothes if repeated contact is likely.  
Good personal hygiene practice should be followed.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance:  
Odour:  
Boiling point:  
Melting point:  
Flash point:  
Flammability:  
Autoflammability:  
Vapour pressure:  
Density:  
Solubility-water:  
Solubility-solvent:

Colourless clear liquid  
Fragrant mint-like odour  
56.5 celsius @ 760mm Hg  
-94.6 degrees  
-18 degrees  
2.6-12.8% by volume in air  
465 degrees  
400mm @ 20 degrees  
0.792kg/litre @ 20 degrees  
Completely miscible  
Methanol, diethyl ether.

**10. STABILITY AND REACTIVITY:**

Stability:  
Conditions to avoid:  
Hazard decomposition products:

Can react violently with Nitric and Acetic Acid, Nitric and Sulphuric Acid, Sulphuric Acid and Potassium Dichromate.  
Heat, flame, sparks, static electricity build-up  
Carbon monoxide and dioxide.

**11. TOXICOLOGICAL INFORMATION:**

Acute toxicity: oral:  
toxicity:  
Carcinogenicity:  
Reproductive hazards:

LD50: 3000mg/kg (mouse) dermal  
LD50:20000mg/kg (rabbit)Chronic  
Not toxic  
None by OSHA,NIOSH,NTD, MAK  
None for human.

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**12. ECOLOGICAL INFORMATION:**

Not established

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**13. DISPOSAL CONSIDERATION:**

Disposal methods:

The product is suitable for processing by an approved recycling facility or it can be disposed of at government approved waste disposal facilities.

Disposal of packaging:

As above.

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**14. TRANSPORT INFORMATION:**

UN number:

1133

Substance identity no.:

2YE

ADR/RID class:

Flammable Liquid A

IMDG-class:

3

IMDG-packaging group:

II

IATA-class:

3

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**15. REGULATORY INFORMATION:**

EEC hazard classification:

F Highly FlammableRisk phrases:

Safety phrases:

R11 Highly Flammable

S16 No smoking. Keep away from sources of ignition.

S25 Avoid contact with eyes. Do not breathe vapour.

S29 Do not empty into drains.

S33 Precautionary measures against static discharge.

National legislation:

Occupational Health and Safety Act.

Hazardous Chemical Substances Regulations.

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