



## SAFETY DATA SHEET SOLVENT THINNERS No.3

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

PRODUCT NAME	SOLVENT THINNERS No.3
APPLICATION	Solvent, Thinners
SUPPLIER	Caswell and Company Ltd 6 Princewood Road Earlstrees Industrial Estate Corby, Northants NN17 4AP +44 (0) 1536 464800 +44 (0) 1536 464801 Technical info@caswell-adhesives.co.uk
CONTACT PERSON	For advice on medical emergencies, fires, spillages or chemical hazards telephone + 44 (0) 870 190 6777 (24hrs CARECHEM)

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ACETONE	200-662-2	67-64-1	60-100%	F;R11 Xi;R36 R66 R67

The Full Text for all R-Phrases are Displayed in Section 16

### 3 HAZARDS IDENTIFICATION

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

CLASSIFICATION Xi;R36. F;R11. R66, R67.

#### PHYSICAL AND CHEMICAL HAZARDS

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

#### HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Irritating and degreasing to skin.

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention.

#### INGESTION

DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Get medical attention immediately!

#### SKIN CONTACT

Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water.

#### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Take along these instructions.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Do not use water jet as an extinguisher, as this will spread the fire.

#### SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

Solvent vapours may form explosive mixtures with air. HIGHLY FLAMMABLE!

#### SPECIFIC HAZARDS

In case of fire, toxic gases may be formed.

#### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6 ACCIDENTAL RELEASE MEASURES

**SOLVENT THINNERS No.3****PERSONAL PRECAUTIONS**

Do not smoke, use naked flames or other sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Take precautionary measures against static discharges. Use protective gloves, goggles and suitable protective clothing.

**ENVIRONMENTAL PRECAUTIONS**

Do not allow to enter drains, sewers or watercourses.

**SPILL CLEAN UP METHODS**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Dam and absorb spillages with sand, earth or other non-combustible material. Dispose as hazardous Waste.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Take precautions against static discharges. All transfer equipment must be explosion proof Do not eat, drink or smoke when using the product. Do not use in confined spaces without adequate ventilation and/or respirator. Observe workplace exposure limits and minimise the risk of inhalation of vapours and mist.

**STORAGE PRECAUTIONS**

Do not store near heat sources or expose to high temperatures. Store in tightly closed original container in a cool, dry well-ventilated place. Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

**STORAGE CLASS**

Flammable liquid storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
ACETONE	WEL	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3

**PROTECTIVE EQUIPMENT****PROCESS CONDITIONS**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench.

**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

**RESPIRATORY EQUIPMENT**

If ventilation is insufficient, suitable respiratory protection must be provided.

**HAND PROTECTION**

Protective gloves must be used if there is a risk of direct contact or splash.

**EYE PROTECTION**

Use approved safety goggles or face shield.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Clear liquid		
ODOUR	Acetone, ketone.		
VOLATILITY DESCRIPTION	Highly volatile.		
BOILING POINT (°C)	55°C	MELTING POINT (°C)	N/A
RELATIVE DENSITY	0.85 -0.89 approx	VOLATILE BY VOL. (%)	100
VISCOSITY	50 cps 20°C	FLASH POINT (°C)	-18°C
AUTO IGNITION TEMPERATURE (°C)	540°C	SOLUBILITY VALUE (g/100g H2O@20°C)	.

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

**HAZARDOUS POLYMERISATION**

Unknown.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SOLVENT THINNERS No.3****11 TOXICOLOGICAL INFORMATION**

## GENERAL INFORMATION

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

## INHALATION

Vapours may cause drowsiness and dizziness.

## INGESTION

Irritating. May cause nausea, stomach pain and vomiting.

## SKIN CONTACT

Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking.

## EYE CONTACT

Irritating and may cause redness and pain. Risk of corneal damage.

**12 ECOLOGICAL INFORMATION**

## ECOTOXICITY

No data on possible environmental effects have been found.

## MOBILITY

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

## BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

## DEGRADABILITY

There are no data on the degradability of this product.

**13 DISPOSAL CONSIDERATIONS**

## GENERAL INFORMATION

Waste is classified as special waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

## DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## WASTE CLASS

Hazardous waste

**14 TRANSPORT INFORMATION**

UK ROAD CLASS	3		
PROPER SHIPPING NAME	ACETONE		
UN NO. ROAD	1090	UK ROAD PACK GR.	II
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II	HAZARD No. (ADR)	33
ADR LABEL NO.	3	HAZCHEM CODE	2YE
CEFIC TEC(R) NO.	30GF1-I+II	RID CLASS NO.	3
RID PACK GROUP	II	UN NO. SEA	1090
IMDG CLASS	3	IMDG PACK GR.	II
EMS	F-E, S-D	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1090
ICAO CLASS	3	AIR PACK GR.	II

**15 REGULATORY INFORMATION**

## LABELLING



Irritant



Highly Flammable

**SOLVENT THINNERS No.3**

## 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

S60	This material and its container must be disposed of as hazardous waste.
S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.

## UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations.

## GUIDANCE NOTES

Workplace Exposure Limits EH40.

**16 OTHER INFORMATION**

REVISION DATE MARCH 2006

REV. NO./REPL. SDS GENERATED Issue4

## RISK PHRASES IN FULL

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## DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.