

## SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier****Product Name:** PURE ACETONE**Product Code:** N330-34-38-40**REACH registered number(s):** 01-2119471330-49**CAS number:** 67-64-1**EINECS number:** 200-662-2**Synonyms:** PROPANONE**1.2 Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** PC39: Cosmetics, personal care products. Blowing Agents Manufacture of substance. Distribution of substance. Uses in coatings. Use in cleaning agents. Laboratories. Use in oil and gas field drilling and production operations. use of release agents and binders. Mining chemicals. Polymer Processing. Rubber Production and processing.**1.3 Details of the supplier of the safety data sheet****Company Name:** Pure NailsUnit 10 Saracen Close  
Gillingham Business Park  
Gillingham, Kent  
ME8 0QN**Telephone:** 01634 671122**Website:** www.purenails.co**E-mail:** marketing@purenails.co**1.4 Emergency telephone number**

01634 671122

## SECTION 2: HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture****Classification under CLP:** Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066**Most important adverse effects:** Repeated exposure may cause skin dryness or cracking. Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.**2.2 Label Elements****Label elements:****Hazard statements:** EUH066: Repeated exposure may cause skin dryness or cracking.

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness

**Hazard Pictograms:** GHS02: Flame

GHS07: Exclamation Mark

**Signal words:****Precautionary**

sparks, open flames and other

**Danger****statements:** P210: Keep away from heat, hot surfaces,

ignition sources. No smoking.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3 Other Hazards

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

**PBT:** This product is not identified as a PBT/vPvB substance

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

**Chemical identity:** ACETONE

**CAS number:** 67-64-1

**EINECS number:** 200-662-2

**REACH registered number(s):** 01-2119471330-49

### 3.2 Mixtures

NDA

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

### 4.2 Most important symptoms and effects both acute and delayed

**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.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

### 5.2 Special hazards arising from the substance or mixture

Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

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. Eliminate all sources of ignition.

### 6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

**6.3 Methods and material for containment and cleaning up**

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

**6.4 Reference to other sections**

Refer to section 8 of MSDS.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

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. Smoking is forbidden. Use non-sparking tools.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build-up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**Suitable packaging:** Original container stored in a dry and cool place

**7.3 Specific end use(s)**

NDA

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

**8.1 Control parameters**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1210 mg/m3	3620 mg/m3	-	-

**Hazardous ingredients:**

**ACETONE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1210 mg/m3	3620 mg/m3	-	-

**DNEL/PNEC Values**

**ACETONE**

Type	Exposure	Value	Population	Effect
DNEL	Oral	62mg/kg bw/day	Consumers	Systemic
DNEL	Dermal	186mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	2420 mg/m3	Workers	Local
DNEL	Inhalation	200 mg/m3	Consumers	Systemic
PNEC	Fresh water	10.6 mg/l	-	-
PNEC	Fresh water sediments	30.4 mg/kg	-	-
PNEC	Marine sediments	3.04 mg/kg	-	-
PNEC	Marine water	1.06mg/l	-	-
PNEC	Soil (agricultural)	29.5 mg/kg	-	-

**Hazardous ingredients:**

**ACETONE**

Type	Exposure	Value	Population	Effect
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DNEL	Dermal	186mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	2420 mg/m3	Workers	Local
DNEL	Inhalation	200 mg/m3	Consumers	Systemic

PNEC	Fresh water	10.6 mg/l	-	-
PNEC	Fresh water sediments	30.4 mg/kg	-	-
PNEC	Marine sediments	3.04 mg/kg	-	-
PNEC	Marine water	1.06mg/l	-	-
PNEC	Soil (agricultural)	29.5 mg/kg	-	-

## 8.2 Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Respiratory protection may be required if excessive airborne contamination occurs. Organic vapour filter, EN 136/140/145/143/149

**Hand protection:** Acceptable glove barrier materials include: Butyl rubber, Rubber (natural latex). Nitrile rubber. Polyvinyl alcohol (PVA). It should be noted that liquid may penetrate the gloves, frequent changes are recommended.

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

**Skin protection:** Chemical resistant protective clothing according to DIN EN13034 (Type 6)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on physical and chemical properties

<b>State:</b>	Liquid		
<b>Colour:</b>	Colourless		
<b>Odour:</b>	Pungent		
<b>Evaporation rate:</b>	Moderate		
<b>Oxidising:</b>	Non-oxidising (by EC criteria)		
<b>Solubility in water:</b>	Highly soluble		
<b>Also soluble in:</b>	Most organic solvents.		
<b>Viscosity:</b>	Non-viscous		
<b>Boiling point/range °C:</b>	56-58	<b>Melting point/range °C:</b>	-95
<b>Flammability limits %: lower:</b>	2.60	<b>upper:</b>	13.0
<b>Flash point °C:</b>	-18	<b>Part. coeff. n-octanol/water:</b>	0.24@20°C
<b>Auto flammability °C:</b>	465	<b>Vapour pressure:</b>	24.70kPa@20C
<b>Relative density:</b>	0.793	<b>pH:</b>	5-6
<b>VOC g/l:</b>	No data available		

### 9.2 Other information

NDA

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under recommended transport or storage conditions.

### 10.2 Chemical stability

Stable under normal conditions. Stable at room temperature.

### 10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

### 10.4 Conditions to avoid

Heat. Hot surfaces. Sources of ignition. Flames.

### 10.5 Incompatible materials

Strong oxidising agents. Strong acids.

### 10.6 Hazardous decomposition products

In combustion emits toxic fumes.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Hazardous ingredients:****ACETONE**

IVN	RAT	LD50	5500	mg/kg
ORL	MUS	LD50	3000	mg/kg
ORL	RAT	LD50	5800	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT- single exposure	-	Hazardous: calculated

**Symptoms/routes of exposure**

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.

Delayed/ immediate effects: Immediate effects can be expected after short-term exposure.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity****Hazardous ingredients:****ACETONE**

BLUEGILL ( <i>Lepomis macrochirus</i> )	LC50	8300	mg/l
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**12.2 Persistence and degradability**

Biodegradable.

**12.3 Bioaccumulative potential**

No bioaccumulation potential.

**12.4 Mobility in soil**

Readily absorbed into soil.

**12.5 Results of PBT and vPvB assessment**

This product is not identified as a PBT/vPvB substance.

**12.6 Other adverse effects**

Negligible ecotoxicity.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Use principally as a fuel or other means to generate energy.

**Waste code number:** 070104

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**SECTION 14: TRANSPORT INFORMATION****14.1 UN Number**

UN1090

**14.2 UN Proper Shipping Name**

ACETONE

**14.3 Transport hazard class(es)**

3

**14.4 Packing group**

II

#### 14.5 Environmental Hazards

Environmentally hazardous: No

Marine pollutant: No

#### 14.6 Special precautions for user

Special precautions: No special precautions

Tunnel code: D/E

Transport category: 2

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

NDA

### SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

NDA

#### 15.2 Chemical safety assessment

NDA

### SECTION 16: OTHER INFORMATION

**Other information:** Since emptied containers retain product residue, follow label warnings even after container is emptied. residual vapours may explode on ignition, do not cut, drill, grind or weld on or near this container.

**Phrases used in s.2 and s.3:** EUH066: Repeated exposure may cause skin dryness or cracking.

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

#### **Disclaimer/Statement of Liability:**

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