

**Conform to Regulation (EC) N°1907/2006 (REACH), Annex II as amended by Regulation (EU) N°453/2010**

**Product: Sanmex Supaclear De-icer**  
**Version 2.0**

**Date prepared: 06/10/2017**

## **SAFETY DATA SHEET**

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

#### **1.1. Product Identification**

Product name           **Sanmex Supaclear De-icer, 600ml**  
Product number

#### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

Product use:           De-icer

#### **1.3. Details of the supplier of the mixture**

Manufacture/Supplier:   Barony Universal Products Plc  
                                  5 Riverside Way  
                                  Riverside Business Park  
                                  Irvine  
                                  Ayrshire  
                                  KA11 5DJ  
                                  [info@baronyuniversal.com](mailto:info@baronyuniversal.com)

#### **1.4 Emergency telephone number**

UK Telephone no:                           0800 032 5575 (8.30-17.00, UK time)

### **SECTION 2: HAZARDS IDENTIFICATION**

#### **2.1 Classification of the substance or mixture**

<b>Regulation (EC) No.1272/2008 {CLP/GHS}</b>	
<b>Hazard classes/Hazard categories</b>	<b>Hazard Statement</b>
Extremely flammable aerosol	H222
Pressurised container: May burst if heated.	H229
Causes skin irritation	H315
Causes serious eye irritation	H319
Harmful if swallowed	H302

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## 2.2 Label Elements

Labelling according to CLP (EU) N°1272/2008

Hazard pictogram(s):



Signal word: Danger

Hazard statements: H222 Extremely flammable aerosol  
H229 Pressurised container: May burst if heated.  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H302 Harmful if swallowed

Precautionary statement

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not pierce or burn, even after use.  
Protect from sunlight. Do not expose to temperatures exceeding 50°C. Do not spray on an open flame or other ignition source. Do not breathe spray Keep out of reach of children.  
IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
IF SWALLOWED: Call a doctor if you feel unwell.

## 2.2 Other hazards:

No data available

## SECTION 3. COMPOSITION /INFORMATION ON INGREDIENTS

### 3.1 Substances:

Not applicable, product is a mixture.

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### **3.1 Mixtures:**

Hazardous components

<b><u>Chemical name</u></b>	<b><u>CAS N°</u> <u>EC N°</u></b>	<b><u>%</u> <u>[weight]</u></b>	<b><u>Classification</u> <u>Regulation (EC) N</u> <u>°1272/2008</u></b>	<b><u>REACH</u> <u>registration N°</u></b>
Butane	106-97-8 203-448-7	30-60	Flam. Gas 1, H220 Press. Gas, H280	Exempt
Isobutane	75-28-5 200-857-2	10-30	Flam. Gas 1, H220 Press. Gas, H280	Exempt
Propane	74-98-6 200-827-9	10-30	Flam. Gas 1, H220 Press. Gas, H280	Exempt
Ethanol	64-17-5 200-578-6	>30	Flammable liquid, Cat 2. H225	01-2119457610-43- xxxx
Monoethylene Glycol (Ethanediol)	107-21-1 203-473-3	5 - 15	Acute Tox (Oral) Cat 4 H302	01-2119456816-28- xxxx
Ammonia solution 33%	1336-21-6 231-635-3	Less than 1	Skin Corr Cat 1B H314, Acute Aqua Tox Cat 1 H400	01-2119488876-14- xxxx
Methanol	67-56-1 200-659-6	Less than 1	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	01-2119433307-44- xxxx

They are no additional ingredients present which, with the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## **SECTION 4. FIRST AID MEASURES**

### **4.1 Description of First Aid Measures**

#### **Inhalation**

Remove patient from exposure to fresh air, rest and keep warm in a position comfortable for breathing. If breathing has stopped, apply artificial respiration. Seek medical advice if symptoms persist

#### **Eye Contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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<b>Skin Contact</b>	Flush immediately with plenty of water, seek medical advice if Irritation persists. Remove any contaminated clothing, shoes, jewellery and wash before reuse.
<b>Ingestion</b>	Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. Seek medical advice if symptoms persist.
<b>Protection of first-aiders:</b>	No action shall be taken involving any personal risk or without suitable training. Wear suitable protective clothing, gloves and eye protection

#### **4.2 Most important symptoms/effects, acute & delayed**

##### **Potential acute health effects**

Eye contact:	Causes serious eye irritation
Inhalation:	Vapours may cause drowsiness and dizziness. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
Skin contact:	May cause skin dryness and irritation
Ingestion:	Harmful if swallowed

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

See section 4.1 for further information

### **SECTION 5. FIRE FIGHTING MEASURES**

#### **5.1 Extinguishing media :**

Suitable extinguishing: CO2, foam, dry chemical or skilled use of water spray.  
media

Unsuitable extinguishing: Do not use water jet.  
Media

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

Hazard from the substance or mixture : Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Bursting aerosol containers may be propelled from a fire at high speed.

Special Exposure Hazards: Beware of exploding cans.

## **5.3 Advice for fire fighters:**

Extremely-Flammable product. Container liable to explode if subjected to extreme temperatures >50°C. Protective Equipment for Fire-fighters: Self-contained breathing apparatus and protective clothing. Standard procedure for chemical fires. Prevent fire-fighting water entering water courses or ground water.

# **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

**6.1.1. For non-emergency personnel** Evacuate surrounding areas.  
Remove all ignition sources. Ensure adequate ventilation.  
Wear appropriate personal protective equipment. See personal protective equipment in section 8.

**6.1.2 For emergency responders:** See the information “for non-emergency personnel  
See personal protective equipment in section 8.  
Large spills/enclosed spaces: a self-contained breathing apparatus is recommended. Monitor area with combustible gas meter if necessary.

**6.2 Environmental: Precautions**  
Avoid dispersal of split material and contact with soil, waterways, drains, and sewers. Inform the relevant Authorities if the product has caused environmental pollution (sewers, waterways, soil and air)

## **6.3 Method and materials for containment and clean up**

**Small spill:** Stop leak if without risk. Move containers from spill area.  
Dilute with water and mop up if water-soluble.

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**Large spill:**

Stop leak without risk. Move containers from spill area. Approach the release from upwind. Prevent entry to sewers, water courses, basements or confined areas. Absorb spillage with non-combustible, absorbent material e.g sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the split product.

**6.4 Reference to other Sections**

See section 13.

<b>SECTION 7. HANDLING AND STORAGE</b>
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The information in this section contains generic advice and guidance.

**7.1 Precautions for safe handling protective measures**

Put on appropriate personal protective equipment (see section 8). Wear appropriate respirator when ventilation is inadequate. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas, vapour or mist. Use only with adequate ventilation.

.Do not pierce or burn, even after use... Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparkling tools. Empty containers retain product residue and can be hazardous.

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

Pressurised container: protect from sunlight and do not exposure to temperature exceeding 50°C  
Store away from direct sunlight in a dry ,cool, and well-ventilated area, away from incompatible materials (see section 10), food and drink. Store and use away from heat, sparks, open flame or any other ignition source. Use appropriate containment to avoid environmental contamination

**7.3 Specific end uses: Recommendations Industrial sector specific solutions**

Not available

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational exposure limits

Limit value UK

**Biological Exposure Index (BEI):** No biological limit allocated.

**Derived No Effect Levels (DNEL):**

General population

Ethanol

Effect level (DNEL/ DMEL)	Type	Value
DNEL (Consumer)	Acute local effects inhalation	950 mg/m <sup>3</sup>
	Long-term systemic effects dermal	206 mg/kg bw/ day
	Long-term systemic effects oral	87 mg/kg bw/d

Monoethylene Glycol

Effect level (DNEL/ DMEL)	Type	Value
DNEL (Consumer)	Acute local effects inhalation	7 mg/m <sup>3</sup>
	Long-term systemic effects dermal	53 mg/kg bw/ day
	Long-term systemic effects oral	

Ammonia

Effect level (DNEL/ DMEL)	Type	Value
DNEL (Consumer)	Acute local effects inhalation	7.2 mg/m <sup>3</sup>
	Long-term systemic effects dermal	68 mg/kg bw/ day
	Long-term systemic effects oral	6.8 mg/kg bw/d

Methanol

Effect level (DNEL/ DMEL)	Type	Value
DNEL (Consumer)	Acute local effects inhalation	50 mg/m <sup>3</sup>
	Long-term systemic effects dermal	8 mg/kg bw/ day
	Long-term systemic effects oral	8 mg/kg bw/d

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## **PNEC related information:**

### **8.2 Exposure controls**

Not applicable

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. Information on basic physical and chemical properties**

#### **Appearance**

Physical Form:	Aerosol Container/Spray
Colour:	N/A
Odour:	Characteristic
Odour threshold	N/A
pH	10.5-11.5
Melting Point/freezing point:	N/A
Boiling Point:	N/A
Flash Point:	N/A
Evaporation rate	N/A
Flammability:	Extremely flammable
Vapour Pressure:	4 bar at 25 C
Vapour density	N/A
Density:	N/A
Water Solubility:	Not determined
Other Solubility:	Not determined
Partition Coefficient:	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	N/A
Explosive properties	N/A
Oxidising properties	N/A

### **9.2 Other information**

Other information N/A

## **SECTION 10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

Stable product under recommended storage and handling conditions.



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<b>10.2 Chemical stability</b>	Stable product under recommended storage and handling conditions.
<b>10.3 Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	Avoid all possible source of ignition (spark or flame), high temperature
<b>10.5 Incompatible materials</b>	Oxidising agents
<b>10.6 Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition will not occur
<b>Thermal decomposition:</b>	Stable under normal conditions.
<b>Conditions to avoid:</b>	High temperature, sparks, naked flame.

## **SECTION 11. Toxicological information**

**Acute toxicity :** based on available data, the classification criteria are not met

**Irritation :** May irritate sensitive skin

**Corrosivity :** based on available data, the classification criteria are not met

**Sensitisation :** based on available data, the classification criteria are not met

**Repeated dose toxicity:** based on available data, the classification criteria are not met

**Carcinogenicity:** based on available data, the classification criteria are not met

**Mutagenicity :** based on available data, the classification criteria are not met

**Toxicity for reproduction:** based on available data, the classification criteria are not met

Classification of the mixture is based on the relevant ingredient of the mixture

## **SECTION 12. Ecological information**

### **12.1 Toxicity**

Based on available data, the classification criteria are not met

### **12.2 Persistence & Degradability**

No data available

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility**

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No data available

#### **12.5 Results of PBT and vPvB assessment.**

No data available

#### **12.6 Other adverse environmental effects**

N/A

### **SECTION 13. Disposal Conditions**

#### **13.1 Waste treatments methods**

Dispose of in accordance with local regulations. Waste products is considered as hazardous waste and disposed via licences operator. European Waste Catalogue Index 150111 (empty container)  
1602504 (full container)

### **SECTION 14. Transport Information**

	<b>Land transport (ADR/RID)</b>	<b>Air transport IATA</b>
<b>14.1 UN n°</b>	UN1950	UN1950
<b>14.2 UN proper shipping name</b>	Aerosols	Aerosols
<b>14.3 Transport hazard classes</b>	Class 2.1	Class 2.1
<b>14.3 Packing group</b>	II	II
<b>14.5 Environmental hazards</b>	Refer to section 2	Refer to section 2

#### **14.6 Special precautions for user**

Do not use the product inside vehicles. Use in a well ventilated area.

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

Not applicable

### **SECTION 15. Regulatory Information**

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

CLP n 1272/2008  
Aerosol Dispenser Directive 2013/10/EU

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<b>SECTION 16. Other Information</b>
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**Revision comment**

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