

## 1. PRODUCT IDENTIFICATION MATERIAL SAFETY DATA SHEET

**1.0 NAME:** Arctic Ice Melt Pellets (CK0124)  
**1.1 PRODUCT USE:** Ice Melting

**1.2 MANUFACTURER'S NAME:** Worcestershire Chemicals Ltd  
**Address:** Unit 6 Oakdale Trading Estate  
Ham Lane, Kingswinford, Stourbridge  
DY6 7JH

**Website:** [www.chemi-kal.co.uk](http://www.chemi-kal.co.uk)

**Emergency Tel no:** 01562 755884 (Office Hours)

**1.3 PREPARATION INFORMATION:**  
**Date of current revision:** November 2022 (Version 1)

## 2. HAZARD IDENTIFICATION

### EMERGENCY OVERVIEW:

**Product Description:** This product is a white solid, pellets, with no odor.

**Health Hazards:** Exposure to this product may cause irritation to eyes. Prolonged contact may cause skin irritation. May cause respiratory tract irritation.

**Flammability Hazards:** This product is a non-flammable solid.

**Reactivity Hazards:** None known

**Environmental Hazards:** The Environmental effects of this product have not been investigated. Release of this product is not expected to have significant adverse effects in the aquatic environment.

### 2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 AND the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

#### **Component(s) Contributing to Classification(s)**

Calcium Chloride, Sodium Chloride

### 2.2 LABEL ELEMENTS:

#### **GHS Pictograms:**



**Signal Word: WARNING!**

#### **GHS Hazard Classification(s):**

Skin Irritant Category 3

Eye Irritant Category 2A

#### **Hazard Statement(s):**

H316: Causes mild skin irritation

H319: Causes serious eye irritation

#### **Prevention Statement(s):**

P264: Wash skin after handling.

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

#### **Response Statement(s):**

P332+P313: If skin irritation occurs: Get medical advice/attention.

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

P337+P313: If eye irritation persists: Get medical advice/attention.

**Storage Statement(s):**

None Applicable

**Disposal Statement(s):**

None Applicable

**2.3 HEALTH HAZARDS OR RISKS FROM EXPOSURE:**

**SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:** The most significant routes of exposure for this product are by inhalation, skin contact, eye contact or ingestion.

**ACUTE:**

**INHALATION:** Inhalation may be irritating to the respiratory tract.

**CONTACT WITH SKIN:** Repeated or prolonged contact may cause skin irritation.

**EYE CONTACT:** Contact may irritate the eyes, resulting in redness or watering.

**INGESTION:** Ingestion of a large quantity may cause gastrointestinal irritation with nausea and vomiting.

**CHRONIC:** None known

**TARGET ORGANS: Acute:** Eyes, Skin, Respiratory System

**Chronic:** None Known

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Non-Hazardous

### 4. FIRST-AID MEASURES

**4.1 DESCRIPTION OF FIRST AID MEASURES:**

**EYE CONTACT:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

**SKIN CONTACT:** If product contacts skin, wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None known

**4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**

Exposure to this product may cause irritation to skin and eyes. Inhalation of dust may cause irritation to respiratory system. May be harmful if swallowed with digestive tract irritation and vomiting.

**4.3 RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and eliminate overexposure.

### 5. FIRE-FIGHTING MEASURES

**5.1 FIRE EXTINGUISHING MATERIALS:**

Use fire extinguishing methods below:

Water Spray: Yes  
Foam: Yes  
Halon: Yes

Carbon Dioxide: Yes  
Dry Chemical: Yes  
Other: Any "C" Class

#### **5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS:**

None known  
Explosion Sensitivity to Mechanical Impact: No  
Explosion Sensitivity to Static Discharge: No

## **6. ACCIDENTAL RELEASE MEASURES**

#### **6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

See section 8.2 for Exposure Controls.

#### **6.2 ENVIRONMENTAL PRECAUTIONS:**

No specific hazards connected with leaks and splits.

#### **6.3 SPILL AND LEAK RESPONSE:**

Sweep up spilled materials and place in appropriate container for disposal or re-use. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia,

## **7. HANDLING and STORAGE**

Japan and EU Member States (see Section 13, Disposal Considerations).

#### **7.1 PRECAUTIONS FOR SAFE HANDLING:**

Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking.

#### **7.2 STORAGE AND HANDLING PRACTICES:**

Store in a dry area with <75% relative humidity to avoid caking.

#### **7.3 SPECIFIC USES:**

Concrete Acceleration, Ice Melting, Dust Control, Road Base Stabilization.

## **8. EXPOSURE CONTROLS - PERSONAL PROTECTION**

#### **8.1 EXPOSURE CONTROLS:**

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Not normally required when using this product. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION** Safety glasses or goggles are recommended to prevent eye contact. If necessary, refer to U.S. OSHA

29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**HAND PROTECTION:** Protective gloves are recommended to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**BODY PROTECTION:** Use body protect appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

## 9. PHYSICAL and CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

**APPEARANCE (Physical State) and COLOR:** This product is a white solid, pellets.

**ODOR:** None

**ODOR THRESHOLD:** Not Applicable

**pH:** Not Applicable

**MELTING/FREEZING POINT:** 772°C (1,422°F)

**BOILING POINT:** Not Applicable

**FLASH POINT:** Not Applicable

**EVAPORATION RATE (n-BuAc=1):** Not Available

**FLAMMABILITY (SOLID, GAS):** Not Applicable

**UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS:** Not Applicable

**VAPOR PRESSURE (mm Hg @ 20°C (68°F):** Negligible at ambient temperature

**VAPOR DENSITY:** Not Applicable

**RELATIVE DENSITY:** Not Applicable

**DENSITY:** Not Applicable

**SPECIFIC GRAVITY:** Not Available

**SOLUBILITY IN WATER:** Not Available

**WEIGHT PER GALLON:** Not Available

**PARTITION COEFFICIENT (n-octanol/water):** Not Applicable

**AUTO-IGNITION TEMPERATURE:** Not Applicable

**DECOMPOSITION TEMPERATURE:** Not Available

**VISCOSITY:** Not Available

**VOC g/l / Lb/gal:** Not Available

### 9.2 OTHER INFORMATION:

No additional information available.

## 10. STABILITY and REACTIVITY

### 10.1 REACTIVITY:

This product is not reactive.

### 10.2 STABILITY:

Stable under conditions of normal storage and use.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Chemical reactions occur when this product is involved with strong acids such as sulfuric or nitric acid.

### 10.4 CONDITIONS TO AVOID:

Incompatible materials.

**10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:**

Strong acids.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition products include hydrochloric acid.

## 11. TOXICOLOGICAL INFORMATION

**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:**

**TOXICITY DATA:**

CAS#: 7647-14-5

Oral, rat: LD50 = 3,000 mg/kg;

**SUSPECTED CANCER AGENT:** None of the ingredients within this product are found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, or suspected to be, cancer-causing agents by these agencies.

**IRRITANCY OF PRODUCT:** This product may be irritating to skin, eyes or respiratory system.

**SENSITIZATION TO THE PRODUCT:** This product is not considered a respiratory system or skin sensitizer. **REPRODUCTIVE**

**TOXICITY INFORMATION:** No information concerning the effects of this product and its components on the human reproductive system.

**SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Eyes, Respiratory System and Skin

**SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** None known

**ASPIRATION HAZARD:** None

## 12. ECOLOGICAL INFORMATION

**12.1 TOXICITY:**

This material is water soluble and occurs naturally, and is unlikely to have any long term effect on the environment. However, large or frequent applications or spills can have a potentially damaging effect on the environment.

**12.2 PERSISTENCE AND DEGRADABILITY:**

This material is not organic and therefore does not undergo biodegradation.

**12.3 BIOACCUMULATIVE POTENTIAL:**

Based on available information, the sodium chloride present may bioaccumulate in some aquatic organisms.

**12.4 MOBILITY IN SOIL:**

This material is water soluble and is expected to move rapidly with surface water or ground water flows.

**12.5 RESULTS OF PBT AND vPvB ASSESSMENT:**

No specific data available on this product.

**12.6 OTHER ADVERSE EFFECTS:**

No specific data available on this product.

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**12.7 WATER ENDANGERMENT CLASS:**

Water endangering in accordance with EU Guideline 91/155-EWG. Not determined

## 13. DISPOSAL CONSIDERATIONS

### **13.1 WASTE TREATMENT METHODS:**

Waste disposal must be in accordance with appropriate regional or national regulations regarding disposal.

## 14. TRANSPORTATION INFORMATION

This product does not require a classification for transport

## 15. REGULATORY INFORMATION

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

**15.2** Chemical Safety Assessment

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product