

MATERIAL SAFETY DATA SHEET

Identification, Supplier and Contact Numbers

Product Name:	ProCoat
Product Type:	De-icer/Anti-icer/Anti-corrosion crystals

Composition and Process

A blend of evaporated co-products from the sugar, starch, cereal carbohydrate processing and distillation industries blended with a high purity marine salt to 3%.

Appearance and Smell

White salt crystals coated in dark brown syrupy liquid with non-pungent smell

Hazards Identification

Inhalation:	Non applicable
Skin contact:	None under normal ambient conditions
Eye contact:	None under normal conditions
Ingestion:	None under normal conditions

First Aid Measures

Skin:	May cause slight irritation, wash area with soap & water
Eyes:	May cause irritation, flood eye with water

Accidental Release Measures

Personal precautions:	None under normal conditions
Environmental precautions:	Biodegradable, increases BOD and COD * see 13
After spillage/leakage	Hose down (slippery when wet) into normal sewage serviced by wastewater plant. Prevent direct discharge onto watercourses or lakes due to med/high BOD.

Storage Conditions

Non corrosive:	Store in ventilated tanks (mild steel, stainless steel, polyethylene, PVC) at ambient temperatures. Avoid microbiological contamination or dilution with water.
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Transport Considerations

Not considered hazardous or dangerous for conveyance

Exposure Controls/Personal Protection

Personal protection:	None under normal conditions
Respiratory protection:	Not applicable
Eye protection:	Safety glasses may be desirable when emptying containers or drums or bags.
Hand protection:	Not required, rubber gloves advised

Physical and Chemical Properties

Physical state at 25°C:	Crystalline solid
Colour:	Light brown
Odour:	Weak caramel, earthy, non pungent
Initial boiling point (°C):	>100
Density at 25°C (kg/m ³):	About 1330, S.G = 1.33
Vapour pressure (hPa):	Not applicable
Solubility in water (% weight):	Forms freely in aqueous solution
pH value as is:	About 7
Flash point (°C):	Not applicable
Auto-ignition temperature (°C):	Not applicable
Explosion limits (lower) (kg/m ³):	Not applicable
Thermal decomposition (°C)	Begins about 100

Stability and Reactivity

Hazardous decomposition products:	Burning can produce CO ₂ and water, N compounds
Materials to avoid:	Strong acids and alkalis, oxidising agents

Microbiological Stability

Stable unless diluted with >5% water when yeast, mould and some harmless bacterial (e.g. Lactobacillus spp) growth may occur in warm temperatures. Pathogens will not grow, indeed are killed

Toxicological

Information Acute	None, non toxic
toxicity: Chronic toxicity:	None

Ecological Information

No significant environmental hazard or adverse effect from human or animal exposure resulting from accidental release of this material is anticipated. Its components are used in food and feed and there is no LD₅₀.

-COD (mgO ₂ /g):	About 450
-BOD (mgO ₂ /g):	About 435 (the Environment Agency)

Disposal Considerations

Disposal:	*see section 6
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Transport Info

Not applicable

Regulatory Information

Symbol(s):	None
R and S phrases:	None
Feed legislation:	Compiles with the Feeding Stuffs Regulations 2000 and Amendments

Other Information

Recommended uses:	As an Anti-icer, De-icer and Anti corrosion product
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