

ENVIRONMENTALLY FRIENDLY SNOW MELTING



The environmentally friendly snow melting belongs to the field of organic and inorganic composite salt technology. It can effectively solve the problems of corrosion to metals and cement concrete and the harm to plant growth caused by deicing agents used domestically. It has the advantages of fast deicing speed, no corrosion, low dosage, and being economical and environmentally friendly. The products after melting can promote plant growth. Compared with traditional products, it has minimal corrosion to metals and cement concrete, making it safe and reliable.

QINGDAO CHEMLINK

PRODUCT ADVANTAGES

Freezing Point Depression

01

When snow melting agent dissolves in water, it lowers the freezing point of water, allowing snow or ice to melt into water at lower temperatures.

02

Hygroscopicity

Some snow melting agents are hygroscopic, capable of absorbing moisture from the air to accelerate snow melting.

03

Environmentally Friendly

Improve application methods, such as using intelligent spreading equipment to precisely control the dosage of snow melting agents, reducing waste and environmental pollution.

APPLICATION FIELDS

Mainly used for snow and ice removal on urban roads, highways, airport runways, bridges, etc., to ensure smooth and safe traffic.

SNOW MELTING AGENT

Product classification			
Product Name	Appearance	Particle Size	Chemical Composition
Eco-Friendly Type A	Granules and flakes	1-5 mm	$\text{NaCl} \leq 40\%$ $\text{MgCl}_2 \cdot 6\text{H}_2\text{O} > 60\%$
Eco-Friendly Type A-1	Granules and flakes	1-5 mm	$\text{NaCl} \leq 40\%$ $\text{MgCl}_2 \cdot 6\text{H}_2\text{O} > 50\%$ Corrosion Inhibitor $> 5\%$
Type A-2	Granules and flakes	1-5 mm	$\text{CaCl}_2 \geq 60\%$, $\text{NaCl} \leq 15\%$ $\text{MgCl}_2 \cdot 6\text{H}_2\text{O} \leq 20\%$ Corrosion Inhibitor $\leq 5\%$
Type A-3	Granules and flakes	1-5 mm	$\text{CaCl}_2 \geq 80\%$ $\text{MgCl}_2 \cdot 6\text{H}_2\text{O} \leq 15\%$ Corrosion Inhibitor $\leq 5\%$

PRODUCT QUALITY AND STANDARD

- 01 **Melting rate:** 20-60 minutes.
- 02 **Corrosion Resistance:** No corrosion changes observed on metal objects, asphalt, etc., within 6 hours.
- 03 **Appearance:** Flake (Particle size can be customized according to customer requirements.).
- 04 **Freezing Point:** Customized for production according to user needs, with a minimum of -35°C .



TECHNICAL SPECIFICATIONS

Mixed De-icing Agent Product Information Attributes Table	
Product Name	Mixed deicers
Product grade	Industrial grade
Particle size	2-6cm
Hazardous chemicals	Negative.
Punrity (Content)	46%
Import status	Negative.
CAS	7791-18-6
Implement quality standards	National Standard

Mixed De-icing Agent Product Information Attributes Table	
Main Component	Calcium Chloride、Magnesium Chloride、anti-corrosive
Applications	Road、Bridge SnowMelt
Manufacturer (place of origin)	Weifang Haiyuan Chemical Co., Ltd.
Product Code	Mixed deicers
Model	Mixed
Purpose Grade	Industrial Grade
Appearance	Flake, spherical
Standard Packaging	50kg, 1000kg English package

PACKAGING AND STORAGE

01 Solid: 25KG/50KG plastic woven bag (PP bag with PE inner liner bag)

02 Customized shipping marks/labels/other packaging as required

03 Transport Capacity: 20-22Tons per Twenty foot Container

04 Storage conditions: dry, ventilated and moisture-proof



PRECAUTIONS



Control the Dosage:

The usage amount of the snow melting should be precisely calculated and strictly controlled based on the amount of snow accumulation and temperature conditions to avoid pollution to soil, vegetation, and water bodies caused by excessive use.



Timely Cleaning:

After snowfall, promptly sweep away the melted snow water to prevent the snow melting-containing snow water from soaking the roads and bridges for a long time, reducing the erosion time of the deicing agent on infrastructure.



Avoid Contact:

When using snow melting, workers should wear protective gear, such as gloves and masks, to prevent contact with the skin and respiratory tract. Also, educate children and pets not to play in areas where snow melting have been spread to avoid accidental ingestion.



Proper Disposal:

If snow melting accidentally leak or spill during use, they should be cleaned up immediately to prevent harm to people and animals. Do not randomly pile up soil and snow contaminated with snow melting; they should be disposed of centrally.

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环保融雪剂



环保型融雪剂为有机和无机复合盐技术领域。其能有效地解决国内使用的融雪剂对金属和水泥混凝土的腐蚀以及危害植物生长等问题。具有融雪速度快，无腐蚀，投加剂量小，经济环保等优点，融化后的产物可促进植物生长，与传统产品比较，对金属和水泥混凝土的腐蚀微小，安全可靠。

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产品优势

01

降低冰点

融雪剂溶解于水后，使水的冰点降低，在较低温度下，雪或冰也能融化成水

02 吸潮性

部分融雪剂有吸潮性，能吸收空气中的水分，加速雪的融化

03

研发环保型融雪剂

降低对环境的影响。同时，改进使用方法，如采用智能撒布设备，精准控制融雪剂的用量，减少浪费和对环境的污染

应用领域

主要用于城市道路、高速公路、机场跑道、桥梁等场所的除雪化冰，以保障交通顺畅和安全。

融雪剂

产品类型			
产品名称	外观	粒径	化学成分
环保A型	颗粒及薄片	1-5 mm	$\text{NaCl} \leq 40\%$ $\text{MgCl}_2 \cdot 6\text{H}_2\text{O} > 60\%$
环保A-1型	颗粒及薄片	1-5 mm	$\text{NaCl} \leq 40\%$ $\text{MgCl}_2 \cdot 6\text{H}_2\text{O} > 50\%$ 防锈剂 $> 5\%$
A-2型	颗粒及薄片	1-5 mm	$\text{CaCl}_2 \geq 60\%$, $\text{NaCl} \leq 15\%$ $\text{MgCl}_2 \cdot 6\text{H}_2\text{O} \leq 20\%$ 防锈剂 $\leq 5\%$
A-3型	颗粒及薄片	1-5 mm	$\text{CaCl}_2 \geq 80\%$ $\text{MgCl}_2 \cdot 6\text{H}_2\text{O} \leq 15\%$ 防锈剂 $\leq 5\%$

产品质量及标准

- 01 融冰速度: 20-60分钟
- 02 防腐蚀度: 金属物品、沥青等6小时无腐蚀变化
- 03 外观: 片状(可按客户要求更改粒度)
- 04 冰点: 根据用户的需要设定生产, 最低可达-35°C



技术参数

混合融雪剂产品信息属性表	
品名称	混合融雪剂
产品等级	工业级
粒度	2-6cm
危险化学品	否
含量	46%
是否进口	否
CAS	7791-18-6
执行质量标准	国标

混合融雪剂产品信息属性表	
主要成分	氯化钙、氯化镁、缓蚀剂
用途	道路、桥梁融雪
厂家（产地）	潍坊海之源化工有限公司
货号	混合融雪剂
型号	混合型
用途级别	工业级
外观	片状，球状
包装	50kg，1000kg英文包装

包装与存储

01 1.固体：25KG /50KG塑料编织袋（PP 袋内装 PE 内衬袋）

02 按需定制唛头/标签/其他包装

03 T运输容量：20-22吨/20 尺柜

04 储存条件：干燥、通风、防潮



注意事项



控制使用量：
应根据积雪量和气温等条件，精准计算并严格控制融雪剂的使用量，避免过量使用对土壤、植被和水体造成污染。



及时清理：
雪后及时清扫融化的雪水，避免含有融雪剂的雪水长时间浸泡道路和桥梁，降低融雪剂对基础设施的侵蚀时间。



避免接触：
使用融雪剂时，工作人员应穿戴好防护装备，如手套、口罩等，防止融雪剂接触皮肤和呼吸道。同时，要教育儿童和宠物不要在撒有融雪剂的区域玩耍，避免误食。



妥善处理：
使用过程中，若融雪剂不慎泄漏或洒落，应及时清理干净，避免对人和动物造成伤害。对于被融雪剂污染的土壤和积雪，不要随意堆放，应集中进行处理。

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期待与您携手合作, 共创美好未来, 欢迎来电来函咨询洽谈。