

Hexatronic Ice Flux

- De-Icing Agent for Microducts

Hexatronic Ice Flux

- Hexatronic ICE FLUX is a deicing agent for suitable for Ducts ID 3.5mm-16mm.
- It is essential to follow the instructions when using this product to avoid damage to components not intended to come in contact with the deicing agent.
- Deicing agent should be used only when needed for emergency and repair procedures, it is not a reliable replacement for sealed pipe method of microduct installation.
- Ice-Flux contains potassium salt which can be corrosive and cause damage to some metals.



Sealing

- It is of the greatest importance to seal the ducts to keep them dry and clean. Duct ends that are not to be used for blowing directly after installation must always be sealed by end stops.
- This is also applicable for multi ducts where end sleeves are used. Use the end sleeves by “rolling” over the rubber end cap over the end.
- Seal for drilling and storage using shrink tube.



Extreme Caution

- Only use the liquid inside microducts. Avoid contact with other surfaces. Use a funnel or pipette or similar to fill the microducts. If the liquid is splashed or spilled on other surfaces, rinse with water, clean and dry all surfaces thoroughly.
- Ensure to blow out remaining liquid from the microducts according to instructions. To avoid spill, use a bucket or extension hose for waste liquid.



Application – Non-blocked ducts

If the microduct is not 100% blocked and some air can be forced through the duct, do as following:

1. Add at least 20 cm of the liquid into the microduct end and if required, force the liquid to flow to the ice blockage by air pressure.
2. If there are plenty of ice, more liquid needs to be added into the microduct.
3. Blow out the fluid with the melted ice and ensure that the duct is 100% dry by blowing through cleaning sponges.

Application – Blocked ducts

In general, it is very hard to melt a totally blocked microduct filled with ice. If a totally blocked microduct needs to be cleared the above procedure can be used, except that air pressure cannot be used.

1. Fill the blocked duct completely.
2. Allow the ice to melt at least 12 hours before trying to blow out the melted ice.
3. Blow out the fluid with the melted ice and ensure that the duct is 100% dry by blowing through cleaning sponges.

Safety

Description of first aid measures

Inhalation - First aid measures not required, but get fresh air for personal comfort.

Skin contact - Immediate medical attention is not required. Wash with soap and water.

Eye contact - Wash with plenty of water. If symptoms persist, call a doctor. May cause mild redness of the eye.

Ingestion - Clean mouth with water and drink plenty of water afterwards. If a large quantity has been ingested or you feel unwell, get medical advice/attention.

Environmental precautions - Do not allow into any sewer, on the ground or into any body of water.

- **Small spill** - Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
- **Large spill** - Pump up the product into a spare container suitably labelled.

Safety

Handling and Storage

- Use personal protective equipment as required. Avoid contact with skin and eyes.
- Handle in accordance with good industrial hygiene and safety practice. Take off all contaminated clothing and wash it before re-use.
- Conditions for safe storage -Keep tightly closed in a dry and cool place. Keep away from heat. Protect from sunlight.

Individual protection measures, such as personal protective equipment:

- **Eye/face protection** - Wear safety glasses with side shields (or goggles).
- **Hand Protection** - Wear protective gloves. Butyl rubber. Chloroprene rubber, CR. Nitrile rubber, NBR. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.
- **Skin and body protection** - No special technical protective measures are necessary.
- **Respiratory protection** - None under normal use conditions.

SDS

Perstorp | Revisionsdatum: 27.03.2017 | Säkerhetsdatablad | Version: 1
Ny produkt sedan: 27.03.2017 | Revisionsdatum: 27.03.2017

ROHSIT 2: Nerver av smältsvetsningen och ledningsströmmar

1.1. Produktbenämning
Produktnamn: **Protosolium Formate 50%**

Rea: smältsvetsning | Svetsning

1.2. Riskerna identifierade avseende användning av ämnet eller blandningen och avseende andra möjliga typer
Användningsområde: **Smältsvetsning, Användningsområde: Smältsvetsning**

Användningsområde som är avsett för: **Smältsvetsning**

1.3. Närmast uppgiftsgivare om den som tillhandahåller säkerhetsdatabladet
Namn: **Perstorp Specialty Chemicals AB**
Adress: **Perstorp 221 81, Perstorp, S-221 81, Perstorp, Sverige**
Telefon: **+46 (0) 40 333 3333**
E-post: **perstorp@perstorp.com**

1.4. Kontaktpersoner för nödsituationer
Namn: **Perstorp 221 81, Perstorp, S-221 81, Perstorp, Sverige**
Telefon: **+46 (0) 40 333 3333**
E-post: **perstorp@perstorp.com**

ROHSIT 2: Fylliga komponenter

2.1. Identifiering av ämnet eller blandningen
Namn: **Protosolium Formate 50%**
CAS-nummer: **1079-26-2**
EC-nummer: **233-362-01**

2.2. Molekylstruktur
Molekylstruktur: **Protosolium Formate 50%**

2.3. Andra typer

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ROHSIT 2: Identification of the substance/structure and of the company/manufacturing

1.1. Product identifier
Product name: **Protosolium Formate 50%**

Rea: smelting | Smelting

1.2. Relevant identified uses of the substance or mixture and uses advised against
Application: **Smelting open flame transfer modern, Use in alloying**

Intended application: **Smelting**

1.3. Details of the supplier of the safety data sheet
Name: **Perstorp Specialty Chemicals AB**
Address: **Perstorp 221 81, Perstorp, S-221 81, Perstorp, Sweden**
Telephone: **+46 (0) 40 333 3333**
E-mail: **perstorp@perstorp.com**

1.4. Emergency telephone number
Phone: **+46 (0) 40 333 3333**
Fax: **+46 (0) 40 333 3333**

ROHSIT 2: Substance identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 (CLP):
Hazardous (Acute Tox. 1, Irrit. 2, Harm. 3, and Environ. 4.1) according to Regulation (EC) No 1272/2008 (CLP)

2.2. Label elements
Signal word: **Danger**

Hazard pictograms: **GHS05, GHS07, GHS09**

Hazard statements: **H302, H312, H332, H360D1, H410**

Precautionary statements: **P201, P202, P273, P501**

2.3. Other hazards

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