SAFETY DATA SHEET
Daich Coatings Corporation.
Concrete Etcher

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: Concrete Etcher

Date of Safety Data Sheet: November 3, 2022

Use of Preparation: Concrete Etcher.

Company Identification: Daich Coatings Corporation
304 Gage Ave North,
Hamilton, Ontario.
L8L 7A7

Company Emergency Telephone Number Emergency Phone: 866-463-2424

2. HAZARD IDENTIFICATION

Emergency Overview:
OSHA/ WHMIS 2014 Hazards:
Classification of substances or mixture
GHS-US/ Canadian classification:
Corrosive to Metals Category 1 H290
Acute Toxicity Category 4 (Oral) H302
Eye Damage Category 1 H318
Label Elements
GHS-US Labeling
Hazard Pictograms (GHS):

Signal Word (GHS): Danger
Hazard Statements (GHS):
H290: May be corrosive to metals
H302: Harmful if swallowed
H318: Causes serious eye damage
Precautionary Statements (GHS):
P260: Do not breathe mist, spray, and vapors.
P264: Wash hands, forearms, and exposed areas thoroughly after handling.
P270: Do not eat, drink, or smoke when using this product.
P280: Wear face protection, protective clothing, and eye protection.
Response Statements (GHS):
P301+P310+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Urea, monohydrochloride	506-89-8	5-15	Corrosive to Metals Category 1 - H290 Acute Toxicity Category 4 (Oral)- H302 Serious Eye Damage / Eye Irritant Category 1– H318 STOT Information not currently available.
Alcohol Ethoxylate	68991-48-0	1-5	Serious Eye Damage / Eye Irritation Category 2B - H320

4. FIRST AID MEASURES

General Advice: Remove to fresh air. If symptoms persist, consult a doctor.

Eye Contact: Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.

Ingestion: Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Immediately call a POISON CENTRE or doctor/physician.

Inhalation: Remove to fresh air.

Notes to Physician: Treatment based on judgment of attending physician.

Most Important symptoms and effects, both acute and delayed: Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Any standard extinguishing media (alcohol foam, water spray or fog, CO2 dry chemical, etc.).

Unsuitable extinguishing media: High volume/jet water.

Special exposure hazards: Thermal decomposition releases irritating gases.

Special safety equipment: Self-contained positive pressure breathing apparatus and protective clothing.

Fire and explosion Not flammable. No explosion hazard.

Further information Keep containers and surrounding cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes. Avoid prolonged contact with skin and clothing. Do not breathe vapour or mist.

For Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel:
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Stop leak if safe to do so. Ventilate area.
Environmental Precautions
Prevent entry to sewers and public waters.
Methods and Material for Containment and Cleaning Up:
For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.
Reference to Other Sections:

See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:
Ensure good ventilation/exhaustion at the workplace.
Avoid splashes or spray in enclosed areas.
Prevent formation of aerosols.
Information about fire and explosion protection:
Keep respiratory protective device available.
No special measures required.
Conditions for safe storage, including any incompatibilities:
Storage: Alkaline, Oxidizers, reducing agents.
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Unsuitable material for receptacle: aluminium.
Avoid storage near extreme heat, ignition sources or open flame.
Information about storage in one common storage facility:
Do not store together with alkaline products.
Store away from oxidizing agents.
Store away from foodstuffs.
Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well-ventilated area.
Keep container tightly sealed.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering Controls:

Engineering Measures	Showers. Eyewash Stations. Ventilation Systems.
Respiratory protection:	Use local exhaust or dilution ventilation.
Hand protection:	Chemical resistant gloves if risk assessment indicates this is necessary.
Eye protection:	Safety goggles or full face shield.
Skin protection:	Use body-covering impervious clothing if risk assessment indicates this is necessary.
Working hygiene:	Take usual precautions when handling. Workers should wash hands before eating, drinking, or smoking.

Exposure guidelines: None.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid		
Appearance	Clear	**Odour**	Typical
Colour	Water white to amber.	**Odour Threshold**	No data available.

Property	**Values**	**Remarks/Method**
pH	< 1.0	None known
Melting/Freezing Point	No data available	None known
Boiling Point/Range	No data available	None known
Flash Point	Not applicable.	None known
Evaporation Rate	Similar	None known
Flammability (solid, gas)	Not flammable	None known
Flammability Limit in Air:		
Upper Limit	No data available	None known
Lower Limit	No data available	None known
Vapour Pressure	No data available	None known
Vapour density	No data available	None known
Specific Gravity	1.05 g/cm3	
Water Solubility	Soluble in water.	None known
Solubility Other Solvents	No data available	None known
Partition Coefficient:		
n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition Temperature	No data available	None known
Kinematic Viscosity	No data available	None known
Dynamic Viscosity	No data available	None known
Explosive Properties	No data available	None known
Oxidizing Properties	No date available	None known

Other Properties:

Softening Point	No data available
VOC Content %	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity	Stable at normal ambient temperature and pressure.
Chemical stability	Stable up to 110 °C /230°F
Thermal decomposition/conditions to avoid:	Heating above 110 °C /230°F results in an exothermic decomposition with rapid release of CO2 gas Reacts with alkali, metals, amines, and oxidizing agents. Corrodes aluminium.

Possibility of hazardous reactions	Warning! Do not use together with other products. May release dangerous gases (chlorine). Avoid contact with oxidizers.
Conditions to avoid	Store away from oxidizing agents.
Hazardous decomposition products	Warning! Do not use together with other products. May release dangerous gases (chlorine). Avoid contact with oxidizers. This material may be extremely hazardous in contact with chlorates or nitrates. This material is acidic. Contact with hypochlorites (e.g., chlorine bleach, sulfides, or cyanides will liberate toxic gases. Contact with alkaline materials (e.g., aqua ammonia) will generate heat.
Materials to avoid	Oxidizing agents, acids.
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity: Not classified.
LD/LC50 values relevant for classification
Urea Hydrochloride CAS # 506-89-8:
LD50 (Oral, Rat): 1,100 mg/kg
Primary irritant effect:
On the skin: Prolonged or repeated contact can cause mild skin irritation
Non Corrosive to Skin*: (as defined and tested in accordance with the U.S. OSHA's Hazard Communication Standard, DOT Hazardous Material Regulations, Canada's WHMIS regulations and TDG Regulations. Classified as a mild skin irritant as per the 1992 OECD Guideline for Testing of Chemicals, Number 404 "Acute Dermal Irritation/Corrosion.")*
On the eye: Strong caustic effect.
Ingestion: Unclassified.
Inhalation: Unclassified.
Sensitization: No sensitizing effects known.
Additional toxicological information: The product shows the following dangers according to the calculation method:
Corrosive to eye.
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
Additional toxicological information:
Carcinogenicity:
Chemical Name None
Reproductive toxicity: No known effects.
Aspiration toxicity: No known effects

12. ECOLOGICAL INFORMATION

Toxicity:	Not available.
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available.
Other Adverse Effects	Not available.
Other Information:	Avoid release to the environment.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.
Ecology – Waste Materials: Avoid release to the environment.

14. TRANSPORTATION INFORMATION

Canadian T.D.G.: Regulated Material
Proper Shipping Name: Corrosive liquid, Acidic, Organic N.O.S.
Contains: Urea monohydrochloride
Hazard Class: 8
ID Number: UN 3265
Packing Group: III

U.S. Department of Transportation (DOT): Non - Regulated Material
Not Regulated

Water Transportation (IMO): Regulated Material
Proper Shipping Name: Corrosive liquid, Acidic, Organic N.O.S.
Contains: Urea monohydrochloride
Hazard Class: 8
ID Number: UN 3265
Packing Group: III

Air Transportation (IATA): Regulated Material
Proper Shipping Name: Corrosive liquid, Acidic, Organic N.O.S.
Contains: Urea monohydrochloride
Hazard Class: 8
ID Number: UN 3265
Packing Group: III

15. REGULATION

Occupational Health & Safety Regulations:

WHMIS 1988 Classification: Class D - Division 2B, Class E

OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

International Inventories

TSCA	Complies
DSL/NDSL	Compiles
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	Complies
AICS	Complies

Legend:
TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Listed on the United States TSCA (Toxic Substances Control Act) inventory

U.S. State Regulations

California Prop. 65
This product does not contain any Proposition 65 chemicals.

HMIS III Rating
Health: 3 Serious Hazard
Flammability: 0 Minimal Hazard
Physical: 0 Minimal Hazard
Personal Protection: C
SDS US (GHS HazCom 2012 and WHMIS 2015)

16. OTHER INFORMATION

Prepared By: Lizmar

SAFETY DATA SHEET
Daich Coatings Corporation.
Concrete Etcher

551 Catchmore Road,
Campbellford, ON K0L 1L0

Issuing Date: November 3, 2022

Disclaimer:
The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet