

SAFETY DATA SHEETS

DURA-STAIN

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SECTION 1: COMPANY AND PRODUCT INFORMATION

MANUFACTURER'S NAME/ADDRESS:

DURACORP
2560 JASON COURT
OCEANSIDE, CA 92056
(760) 758-7240

TRADE NAME: DURA-Stain
Reactive Stain

MAIN USE: CONCRETE STAIN

D.O.T. PROPER SHIPPING NAME: PAINT RELATED MATERIAL, CORROSIVE
EMERGENCY TELEPHONE NUMBER: (800) 424-9300 (CHEMTREC)

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

COLOR	HAZARDOUS COMPONENT	CAS No.	OSHA PEL	ACGIH TLV	WEIGHT %
AMBER	SODIUM BISULPHITE	7681-38-1	7.0 mg / m ³	7.0 mg / m ³	1 – 5 %
	FEROUS CHLORIDE	7758-94-3	1.0 mg / m ³	1.0 mg / m ³	20 – 30%
	FERRIC CHLORIDE	7705-08-0	N/A	N/A	1 – 5 %
AQUA	PHOSPHORIC ACID	7664-38-2	1.0 mg / m ³	30 mg / m ³	5 – 10 %
	CUPRIC CHLORIDE DIHYD	10125-13-0	N/E	N/E	10 – 15 %
BRONZE	FEROUS CHLORIDE	7758-94-3	1.0 mg / m ³	1.0 mg / m ³	1 – 5 %
	HYDROCHLORIC ACID	7647-01-0	7.0 mg / m ³	7.0 mg / m ³	5 – 10 %
	CUPRIC CHLORIDE	7447-39-4	1.0 mg / m ³	1.0 mg / m ³	1 – 5 %
	SODIUM DICHROMATE	10588-01-9	.01 mg / m ³	.05 mg / m ³	< 1 %
COFFEE	SODIUM BISULPHITE	7681-38-1	7.0 mg / m ³	7.0 mg / m ³	1 – 5 %
	FEROUS CHLORIDE	7758-94-3	1.0 mg / m ³	1.0 mg / m ³	15 – 20 %
	FERRIC CHLORIDE	7705-08-0	N/A	N/A	1 – 5 %
	CHROMIC CHLORIDE	50925-66-1	N/E	.05 mg / m ³	1 – 5 %
LEATHER	FEROUS CHLORIDE	7758-94-3	1.0 mg / m ³	1.0 mg / m ³	10 – 15 %
	HYDROCHLORIC ACID	7647-01-0	7.0 mg / m ³	7.0 mg / m ³	1 – 5 %
	SODIUM DICHROMATE	10588-01-9	.5 mg / m ³	.01 mg / m ³	1 – 5 %
	MANGANESE CHLORIDE	7773-01-5	5mg / m ³	N/E	1 – 5 %
MIDNIGHT BLACK	HYDROCHLORIC ACID	7647-01-0	7.0 mg / m ³	7.0 mg / m ³	5 – 10 %
	SODIUM DICHROMATE	10588-01-9	.01 mg / m ³	.05 mg / m ³	5 – 10 %
	MANGANESE CHLORIDE	7773-01-5	5mg / m ³	N/E	20 – 30%
OAK	SODIUM BISULPHITE	7681-38-1	7.0 mg / m ³	7.0 mg / m ³	1 – 5 %
	FEROUS CHLORIDE	7758-94-3	1.0 mg / m ³	1.0 mg / m ³	20 – 30%
	FERRIC CHLORIDE	7705-08-0	N/A	N/A	5 – 10 %
PATINA	HYDROCHLORIC ACID	7647-01-0	7.0 mg / m ³	7.0 mg / m ³	5 – 10 %
	CUPRIC CHLORIDE	7447-39-4	1.0 mg / m ³	1.0 mg / m ³	5 – 10 %

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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS – CONT'D

REDWOOD	SODIUM BISULPHITE	7681-38-1	7.0 mg / m ³	7.0 mg / m ³	1 – 5 %
	FEROUS CHLORIDE	7758-94-3	1.0 mg / m ³	1.0 mg / m ³	> 25%
	FERRIC CHLORIDE	7705-08-0	N/A	N/A	1 – 5 %
	CHROMIC CHLORIDE	50925-66-1	N/E	.05 mg / m ³	5 – 10 %
SAHARA	SODIUM BISULPHITE	7681-38-1	7.0 mg / m ³	7.0 mg / m ³	1 – 5 %
	FEROUS CHLORIDE	7758-94-3	1.0 mg / m ³	1.0 mg / m ³	10 – 15 %
	CUPRIC CHLORIDE	7447-39-4	1.0 mg / m ³	1.0 mg / m ³	1 – 5 %
	SODIUM DICHROMATE	10588-01-9	.01 mg / m ³	.05 mg / m ³	< 1 %
SEA GREEN	HYDROCHLORIC ACID	7647-01-0	7.0 mg / m ³	7.0 mg / m ³	5 – 10 %
	CUPRIC CHLORIDE	7447-39-4	1.0 mg / m ³	1.0 mg / m ³	5 – 10 %
	SODIUM DICHROMATE	10588-01-9	.01 mg / m ³	.05 mg / m ³	< 1 %
TERRA COTTA	SODIUM BISULPHITE	7681-38-1	7.0 mg / m ³	7.0 mg / m ³	1 – 5 %
	FEROUS CHLORIDE	7758-94-3	1.0 mg / m ³	1.0 mg / m ³	15 – 20 %
	FERRIC CHLORIDE	7705-08-0	N/A	N/A	> 25%
WESTERN BROWN	SODIUM BISULPHITE	7681-38-1	7.0 mg / m ³	7.0 mg / m ³	1 – 5 %
	FEROUS CHLORIDE	7758-94-3	1.0 mg / m ³	1.0 mg / m ³	20 – 30%
	FERRIC CHLORIDE	7705-08-0	N/A	N/A	5 – 10 %
	CHROMIC CHLORIDE	50925-66-1	N/E	.05 mg / m ³	20 – 30%

SECTION 3: HAZARD IDENTIFICATION

Primary Routes of Entry: X Eye X Inhalation X Skin Contact X Ingestion

Overexposure Effects:

Conditions Aggravated by Exposure:

Health Hazards (Acute and Chronic Exposures):

Eyes

Acute:

Rapidly causes Severe burns, possible with permanent impairment of vision

Chronic:

Permanent impairment of vision

Skin Absorption

Acute:

Irritation and possible burning

Chronic:

Massive overexposure could lead to kidney failure and possible death

Inhalation

Acute:

T@^y and OSHA guide is 5 ppm ceiling for hydrogen chloride: severely irritating.

Ingestion

Acute:

Can cause severe tissue destruction

Chronic:

Kidney failure may follow and result in death

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SECTION 4: FIRST AID MEASURES

Emergency and First Aid Procedures:

General:

Massive over exposure to solutions of this product could lead to kidney failure and death.

Eyes:

Immediate and continuous irrigation with flowing water at least 30 minutes is imperative.

Skin:

Skin burn likely. Immediate, continuous, and thorough washing with flowing water for 30 minutes, remove clothing immediately. Destroy contaminated shoes

Inhalation:

Remove to fresh air if effect occurs. Call physician and/or transport to medical facility

Ingestion:

Corrosive. Do not induce vomiting. Give large amounts of water or milk if available and immediately transport to medical facility.

Carcinogenic Data:

NTP: NE

OSHA: NE

IARC: NE

Toxicological Data:

NE

SECTION 5: FIRE FIGHTING MEASURE

Flash Point (°C):	None
Conditions of Flammability:	None
Flammable Limits:	LEL: NA UEL: NA
Autoignition Temperature (°C):	None
Hazardous Combustion Products:	NE
Sensitivity to Impact:	NE
Sensitivity to Static Discharge:	None
Extinguishing Media:	Alcohol, dry chemicals, water, fog and foam.
Special Firefighting Procedures:	Wear self contained breathing apparatus with full face piece operated in pressure demand or other positive pressure mode and full body protective clothing when fighting fire
Unusual Fire and Explosion Hazards:	Releases Hydrogen Chloride gas when heated. Also reacts with most metals to release hydrogen gas, which can form explosive mixture with air.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case of Material Release or Spillage: Shovel or soak up spilled material into plastic container and reuse or remove to approved chemical waste disposal area. Flush area with water directing runoff to appropriate treatment or disposal container. Never flush to sewer. Major spills should be report according to regulations.

Waste Disposal Methods: Dispose of waste in accordance with federal, state and local regulations

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SECTION 7: HANDLING AND STORAGE

- General:** Prevent all skin contact.
Avoid breathing Vapors.
Re-seal partially used containers.
- Handling:** Provide sufficient air exchange and / or exhaust in work rooms.
Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment. Keep container tightly closed. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.
- Storage:** Store under cool, dry conditions and away from open flames and high temperatures.
DO NOT FREEZE – Keep away from direct sunlight

SECTION 8: SPECIAL PROTECTION INFORMATION

Engineering Controls: Ventilation must be sufficient to control vapor. Breathing of vapors must be avoided.

Respiratory Protection: Whenever exposure to vapor/mist is likely unless levels are below applicable limits, wear a properly fitted NIOSH/MSHA approved respirator. For emergencies, a self-contained breathing apparatus or full faces respirator is recommended

Protective Gloves: impervious gloves, neoprene or rubber.

Eye Protection: Safety eyewear including splash guards or side shields, chemical goggles, or face shield.

Other protective Equipment: Clean, body-covering clothes. Further safety equipment (apron, footwear, etc.) should be used as necessary to prevent contact with material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°C):	NE	Specific Gravity:	1.30 +/- .03
Vapor Pressure:		Melting Point:	
Vapor Density: (Air = 1)	NA	Evaporation Rate: (Butyl Acetate = 1)	Slower
Solubility in Water:	Yes	PH:	2-3 ph
Freezing Point	10°F		
Coefficient of Oil/Water Distribution:		NA	
Appearance and Odor:		Amber Liquid with sharp pungent odor	

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: STABLE

Conditions to Avoid: Avoid contact with strong alkalies, alkali metals

Incompatibility (Materials to Avoid) : Avoid contact with strong alkalies, alkali metals

Hazardous Decomposition Products:

Hazardous Polymerization (Reactivity): WILL NOT OCCUR

SECTION 11: TOXICOLOGY INFORMATION

N/A

SECTION 12: ECOLOGICAL INFORMATION

N/A

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SECTION 13: DISPOSAL CONSIDERATION

Waste Disposal Methods: Dispose of waste in accordance with federal, state and local regulations

Shovel or soak up material into plastic container and reuse or remove to approved chemical waste disposal area. Flush area with water directing runoff to appropriate treatment or disposal container. Never flush to sewer. DO NOT RE-USE EMPTY CONTAINERS

SECTION 14: TRANSPORT INFORMATION

DOT Proper Shipping Name: PAINT RELATED MATERIAL

DOT Hazard Class ID Number: 8, UN3066, PGIII

SECTION 15: REGULATORY INFORMATION

Health: 2

Flammability: 0

Reactivity: 1

California Proposition 65: Below is a list of compounds known to the State of California to cause cancer, birth defects, or other reproductive harm:

Federal Warning: Section 313 Supplier Notification – product contains the toxic chemical(s) subject to the reporting requirements of SARA TITLE III, Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372

SECTION 16: OTHER INFORMATION

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(NA = Not Applicable) (NE = Not Established) (ND = No Data)(NR = Not Required)