

STEEL BRITE 700

HEAVY DUTY, SCALE, OXIDE RUST REMOVER AND BRIGHTENER

Steel Brite 700 easily removes corrosion, rust, oxidation, and metallic oxides, milk stone, diesel smoke, road film, oils, grease, soils and scale from aluminum and other metals. It will clean and brighten aluminum, brass, bronze, copper, magnesium, nickel, stainless steel, tin, etc.

Steel Brite 700 is a hard water scale remover.

Steel Brite 700 is concentrated and should be diluted with water before use. It is instantly soluble in water, in all dilution ratios. Low-pressure spray, wiping, mopping, re-circulation, and immersion can use steel-Brite 700. Allow remaining in contact sufficient time to loosen and dissolve deposits. Rinse with water. For general cleaning of trucks, trailers etc, dilute 1 part Steel Brite 700 with 15-20 parts of water depending on soil conditions.

Steel Brite 700 will clean, concrete driveways and walkways.

Steel Brite 700 is recommended in cleaning concrete trucks, bricks and tile, sludge watering pumps, swimming pools, boats and ships, water meters, slate, quarry tile.

Steel Brite 700 will replace the use of hydrochloric acid for the removal of various stains in urinals and toilets, etc. This product is highly recommended for structural aluminum, on doors, windows, railings, kick plates, trailers, freight lines, airplane engine cleaning, diesel smoke on transport trucks, soil deposits on bricks and tile, scale build up on doors, showers, steam rooms.

Steel Brite 700 is an excellent rust remover and radiator flush, (because of scale buildup in boilers, water meters, watering pumps and sludge diffuser tubes)

TECHNICAL DATA SHEET

ENVIROSAFE CHEMICALS CANADA MATERIAL SAFETY DATA SHEET

SECTION 1-PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: Steel-Brite 700 PRODUCT IDENTIFICATION NUMBER (PIN)SB700
PRODUCT USE: Synthetic detergent and emulsifiers, scale, rust and metal stain remover
MANUFACTURER'S NAME: Envirosafe Chemicals Canada
ADDRESS: Box 1792 – 10011 Thatcher Avenue
CITY: North Battleford PROVINCE: SK POSTAL CODE: S9A 3W8 TEL: 306-446-0505 FAX: 306-446-0515

SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC OF INGREDIENT (SPECIFY SPECIES)	TLV(ACGIH)
Gluconic Acid	10-20	000526954	Oral (Rat 99999mg/kg)	Rat 99999-4H	Not available
Phosphoric Acid (Food Grade)	10-30	007664-38-2	1530 mg/kg	LC500(rat):4790PPM (5 min. mg/m3 Mist)	Not available
Capryloamphopropionate	5-10	68630-95-5	None	None	None

Approved by Agriculture Canada Food Production & Inspection branch

SECTION 3-PHYSICAL DATA

PHYSICAL STATE: liquid	ODOUR AND APPEARANCE: Brown Colour/acidic odour	ODOUR THRESHOLD (PPM): Not available
VAPOUR PRESSURE:2.18 mm of Ag (mm HG) (020°C)	VAPOUR DENSITY: Unknown (Air=1) 3.4 (Air=1)	EVAPORATION RATE:(Butyl Acetate =1):<1
BOILING POINT: 158°C(316.4°F)	FREEZING POINT: N/A	pH: 2 (Acidic)
SPECIFIC GRAVITY: 1.680(water=1)	COEFF. WATER/OIL DIST.:N/A	

SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: Non-flammable IF YES UNDER WHICH CONDITION? N/A
MEANS OF EXTINCTION: As appropriate for the surrounding FLASHPOINT (°C) AND METHOD: 200°F
Fire use water spray to keep containers cool and control vapour.
UPPER FLAMMABLE LIMIT (% BY VOLUME): LOWER FLAMMABLE LIMIT (% BY VOLUME):
Not applicable Not applicable
AUTOIGNITION TEMPERATURE: Not applicable HAZARDOUS COMBUSTION PRODUCTS: Phosphorous
Oxides fumes or phosphoric acids and other toxic gases

EXPLOSION DATA SENSITIVITY TO IMPACT: SENSITIVITY TO STATIC DISCHARGE:
Not available Not available

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Yes (under normal conditions)
IF NO? UNDER WHICH CONDITION?

INCOMPATIBILITY WITH OTHER SUBSTANCES: Do not mix with strong bases, sulphides, cyanides, acetylides, Fluorides, silicides, carbides and strong oxidizing and reducing agents.

REACTIVITY, AND UNDER WHAT CONDITIONS: Toxic fumes are generated by reaction with alkalise, oxidants and many metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes of phosphoric acids, and other toxic fumes and gases.
All ingredients of this product are either on the domestic substance list (DSL) or exempt
All ingredients are on the TSCA inventory or are not required to be on the inventory list.

TECHNICAL DATA SHEET

ENVIROSAFE CHEMICALS CANADA

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PRODUCT IDENTIFICATION: STEEL BRITE 700

SECTION 6-TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT: x SKIN ABSORPTION: x EYE CONTACT: x INHALATION: x INGESTION: x

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Can cause severe burns to eyes, skin, and mucous membranes and upper respiratory tract. Ingestion or inhalation can cause hypocalcaemia, which can be fatal.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: This product is a skin and eye irritant, it may cause respiratory irritation, irritating to gastrointestinal tract. Long-term exposure will cause dermatitis.

EXPOSURE LIMITS: Phosphoric acid TWA:1 STEL IRRITANCY OF PRODUCT: Severe irritant.
3 (mg/m³) from ACGIH.

SENSITIZATION OF PRODUCT: Irritation to skin prolonged contact may cause burns.

CARCINOGENICITY: The ingredients of this product are not considered to be carcinogens by the National Toxicity program, the International agency for research on cancer

TERATOGENICITY: Not available

REPRODUCTIVE TOXICITY: None known

MUTAGENICITY: Not available

SYNERGISTIC PRODUCTS: none known

SECTION 7-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Wear gloves and goggles when handling small quantities during normal use. Use protective equipment when handling large quantities.

GLOVES: Neoprene, PVC, rubber RESPIRATOR: When required use EYE: Splash proof safety goggles
NIOSH or MSHA breathing apparatus or face shield

FOOTWEAR: Impervious boots if handling large quantities CLOTHING: Neoprene, PVC, rubber OTHER: eye bath
apron if handling large quantities shower

ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS): Provide mechanical ventilation if the product is used in a confined area.

LEAK AND SPILL PRODUCE: Ventilate area. Small spills should be neutralized with soda ash, suitable absorbent material. Large spills collect absorbed material and wash down any remaining spilled material with large quantities of water. Wear protective gear.

WASTE DISPOSAL: Dispose of through a licensed waste disposal facility.

HANDLING PROCEDURES AND EQUIPMENT: Wear suitable protective equipment. Suitable absorbent material may be used to soak up spills. If necessary, neutralize the residue with a dilute solution of sodium carbonate. Store in separate storage cabinet or room.

STORAGE REQUIREMENTS: Store in well-ventilated cool, dry area. Keep containers tightly closed.

SPECIAL SHIPPING INFORMATION: "Corrosive labels."

SECTION 8-FIRST AID MEASURES

EYE: Flush with copious amounts of water for 15 minutes. Call a physician immediately.

SKIN: Flush with soap and water for 15 minutes. Call a physician.

INHALATION: Remove to fresh air apply artificial respiration if necessary. Call a physician.

INGESTION: Do not induce vomiting. Rinse mouth with water, drink large quantities of milk or water, and do not give anything by mouth if victim is unconscious. Call a physician.

SECTION 9-PREPARATION DATE OF MSDS

PREPARED BY: ENVIROSAFE TECHNICAL DEPT. PHONE NUMBER: 306-446-0505

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