

ARCUS ABSORBENTS INC.

75 Deerhide Crescent, Unit 3, North York, Ontario, Canada M9M 2Z2

PRODUCT NAME: **ARCUS – Caustic Neutralizer Powder****SECTION 01: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

MANUFACTURER: Same as above
 PREPARATION DATE: January 1, 2017
 TELEPHONE NO. : (416) 745-7947 or (877) 227-6727

MATERIAL USE: Neutralizer for Caustic Materials

SECTION 02: HAZARDS IDENTIFICATION**GHS Classification:** This product is classified as an eye irritant category 2, skin irritant 2, STOT SE3

LABEL Information:

WARNING

**Causes serious eye irritation. May cause skin irritation. May be harmful if swallowed.
 May cause respiratory irritation**

PRECAUTIONS: Avoid contact with eyes and skin.
 Wear gloves and eye protection when handling product.
 Do not take internally. Do not take internally.
 Avoid breathing dust

HMIS ratings Health 1 Flammability 0 Reactivity 0

SECTION 03: COMPOSITION / INFORMATION on HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CONC. APPROX.%	C.A.S #
Citric Acid	60 -100	77-92-9

Any concentration shown as a range is due to batch variation or is to protect confidentiality.

SECTION 04 : FIRST AID MEASURES

INSTRUCTIONS: For contact with skin, rinse with water. Remove and wash contaminated clothing before reuse.
 For eye contact, flush eyes with large amounts of water for 15 minutes. If irritation persists seek medical attention.
 If ingested, give 2 glasses water; and do not induce vomiting; seek immediate medical attention.
 In case of inhalation of dust, remove to fresh air.

PRIMARY SYMPTOMS /ROUTE OF ENTRY:

SKIN CONTACT	May cause mild irritation
EYE CONTACT	May cause severe irritation or burns to eyes
INHALATION	Dust or solution mist may cause irritation to nose, throat and mucous membranes
INGESTION	May cause gastrointestinal discomfort

SECTION 05: FIRE AND EXPLOSION HAZARD AND FIRE FIGHTING MEASURES

FLAMMABILITY: NO
 IF YES , UNDER WHICH CONDITIONS:
 EXTINGUISHING MEDIA: N.Ap.
 SPECIAL PROCEDURES: N.Ap.
 HAZARDOUS COMBUSTION PRODUCTS: N.Ap.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: NIL
 SENSITIVITY TO MECHANICAL IMPACT: NIL SENSITIVITY TO STATIC DISCHARGE: NIL

SECTION 06: ACCIDENTAL RELEASE MEASURES
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LEAK AND SPILL PROCEDURE: Wear gloves and eye protection. Recover the material using a broom, shovel or any other convenient means and place in a lined or preferably plastic container. Material may be usable as long as it is not contaminated with incompatible materials.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT: Avoid contact with skin and eyes. Keep container closed when not in use.
STORAGE REQUIREMENTS: Store at room temperature in a dry location.

SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS
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GLOVES / TYPE: Chemical resistant
RESPIRATOR / TYPE: Dust filter mask (if handling large quantities).
EYE / TYPE: Goggles
CLOTHING /TYPE: Appropriate for the use environment
OTHER / TYPE: Have access to eye bath and safety shower
ENGINEERING CONTROLS: General ventilation is adequate.
CONTROL PARAMETERS: N/Ap

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE / APPEARANCE: Light Yellow Powder	ODOUR: None
ODOUR THRESHOLD: N.Ap	SPECIFIC GRAVITY: ~1.2
VAPOUR PRESSURE (mm Hg @ 20C): N.Ap.	VAPOUR DENSITY (Air = 1) : N.Ap
EVAPORATION RATE (WATER = 1) : N.Ap.	FREEZING POINT (C): N.Ap.
BOILING POINT INIT / RANGE (C): N.Ap.	SOLUBILITY IN WATER (% W/W): 100
pH (% SOLUTION): 2.2 (2%)	% VOLATILE (WT): Nil
FLASH POINT (C): N.Ap.	FLAMMABILITY: Nil
LEL / UEL LIMITS (% by vol): LEL: N.Ap. UEL : N.Ap.	DECOMPOSITION TEMP (C): N.Ap
AUTO IGNITION TEMP(C): N.Ap.	VISCOSITY: N.Ap.
PARTITION COEFF. n-octanol/water: N.Av.	

SECTION 10: STABILITY AND REACTIVITY

CHEMICALLY STABLE: Yes
IF NO, UNDER WHICH CONDITIONS? :
INCOMPATIBILITY WITH OTHER SUBSTANCES : Yes
IF YES, WITH WHICH ONES? : Will react with alkaline materials, when wet it will react slowly with metals. Hypochlorites
SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS: Reacts with alkali to produce neutral salts
HAZARDOUS DECOMPOSITION PRODUCTS: N.Av.

SECTION 11: TOXICOLOGICAL INFORMATION
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EXPOSURE LIMIT OF MATERIAL : N.Av.
LC 50 OF MATERIAL, SPECIES AND ROUTE : N.Ap.
LD 50 OF MATERIAL, SPECIES AND ROUTE : 3 gr / Kg (rat)
CARCINOGENICITY OF MATERIAL: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, OSHA, NTP, ACGIH
REPRODUCTIVE EFFECTS : No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
PRIMARY SYMPTOMS /ROUTE OF ENTRY:
SKIN CONTACT May cause mild irritation
EYE CONTACT May cause severe irritation or burns to eyes
INHALATION Dust or solution mist may cause irritation to nose, throat and mucous membranes
INGESTION May cause gastrointestinal irritation
SENSITIZING CAPABILITY OF MATERIAL : N.Av.
SYNERGISTIC MATERIALS : N.Av.

SECTION 12: ECOLOGICAL CONSIDERATIONS
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AQUATIC TOXICITY LC50: Leuciscus idus – 440 -760mg/l – 96h/Method
Daphnia magna (Water flea) – 120 mg/l – 72h
PERSISTENCE & DEGRADABILITY: Biodegradable >95% 2 days
BIOACCUMULATIVE POTENTIAL: N.Av.
MOBILITY IN SOIL: N.Av.
OTHER ADVERSE EFFECTS: N.Av.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: In accordance with Municipal, Provincial and Federal regulations

SECTION 14: TRANSPORT INFORMATION

T.D.G. CLASSIFICATION : Not regulated under TDG
UN NUMBER : N.Ap.
PACKING GROUP : N.Ap.

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION: D2B GHS CLASSIFICATION: See section 2
HPR COMPLIANCE: This product has been classified in accordance with the hazard criteria of the GHS and the SDS contains all the information required by the HPR.
REACH COMPLIANCE: Conforms to Regulation (EC) No. 1907/2006, including all applicable registrations concerning ingredients.

SECTION 16: OTHER INFORMATION

ABBREVIATIONS USED : N.Av. = Not Available N.Ap. = Not applicable L(U)EL = Lower(Upper) explosion limit

To the best of our knowledge the information contained herein is accurate. However, Arcus Absorbents Inc. assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any product is the sole responsibility of the user. All products 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 which exist.