

S A F E T Y D A T A S H E E T



Madison Chemical Co., Inc.

3141 Clifty Drive • Madison, IN 47250

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

NAME:

BRITE CLEAN

TYPE:
PRODUCT #

Alkaline cleaner
214201

FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN

EMERGENCY RESPONSE INFORMATION:

CHEMTREC 800-424-9300 24-Hour Service
Company Offices: 812-273-6000 Weekdays

PREPARED DATE:

08-17-16

PREPARED BY:

Natalie Green

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification	Acute Toxicity-Oral	Category 5	H303
	Skin Corrosion/Irritation	Category 3	H316
	Serious Eye Damage/Eye Irritation	Category 2B	H320
	Acute Toxicity, Inhalation	Category 4	H332

Signal Word

WARNING

Symbol



Hazard Statements

H303 May be harmful if swallowed.
H316 Causes mild skin irritation.
H320 Causes eye irritation.
H332 Harmful if inhaled.

Precautionary Statements

P261 Avoid breathing dust/fume/mist/vapors/spray.
P264 Wash hands, forearms, and exposed areas thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P271 Use only outdoors or in a well ventilated area.
P280 Wear eye protection, face protection, protective clothing, protective gloves.
P301 + P330 IF SWALLOWED: rinse mouth.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical attention if you feel unwell.
P321 Specific treatment (see Section 4).
P337+P313 If eye irritation persists: Get medical attention.
P362 Take off contaminated clothing and wash before reuse.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

<u>COMPONENT</u>	<u>SYNONYM</u>	<u>CAS NO.</u>	<u>% BY WEIGHT</u>
Ammonia	None	7664-41-7	1 – 10

*If Chemical Name/CAS No is "proprietary" and/or % By Weight is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

EYES:	Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician.
SKIN:	Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry before reuse.
INGESTION:	Do not induce vomiting. Give water. Call a physician. DO NOT give anything by mouth if the person is unconscious or if having convulsions.
INHALATION:	Move subject to fresh air and get medical attention.
PRIMARY ROUTE(S) OF ENTRY:	Eyes, skin.

MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED:

EYE CONTACT:	Contacted areas may exhibit irritation. Acute overexposure without water flushing may result in burns.
SKIN CONTACT:	Contacted areas may exhibit irritation. Acute overexposure without water flushing may result in burns.
INGESTION:	May be harmful if swallowed. May cause irritation, burns, diarrhea or weakness.
INHALATION:	May cause nasal and respiratory irritation.
CHRONIC SYMPTOMS:	This material contains no ingredient above de minimus concentrations known or suspected to cause cancer.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

If you experience any of the symptoms / effects listed above seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media as appropriate for surrounding fire.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Not considered flammable or explosive. Hazardous reactions will not occur under normal conditions.

ADVICE FOR FIRE FIGHTERS:

Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep containers cool. **Hazardous Combustion Products:** Carbon monoxide, carbon dioxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Avoid all contact with skin, eyes and clothing. Wear safety eyewear to protect against unexpected splashes. Wear suitable protective clothing. Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Contain liquid spills with sand and absorb on inert material. Dispose with solid waste. See Waste Disposal Method. Do not discharge to sewers or waterways without proper treatment.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Wear proper safety equipment when handling this product. Handle in accordance with good industrial hygiene and safety procedures.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Normal for alkaline materials. Store away from acids and strong oxidizing agents. Keep container closed when not in use.

SAFETY DATA SHEET

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES: No ingredients identified by OSHA as hazardous are known to be present above de minimus levels.

CHEMICAL IDENTITY

Ammonia

CAS NO.

7664-41-7

OSHA PEL

35 ppm*

ACGIH TLV

25 ppm

ENGINEERING CONTROLS:

Use good ventilation. Local exhaust is recommended if TLVs are exceeded.

INDIVIDUAL PROTECTION MEASURES:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

RESPIRATORY PROTECTION:

In absence of proper environmental control, use NIOSH / MSHA approved positive pressure supplied air respirator for mists where airborne exposure is excessive.

SKIN PROTECTION:

Impermeable gloves. Other equipment as required to avoid contact.

EYE PROTECTION:

Safety eyewear to protect against unexpected splashes.

GENERAL HYGIENE CONSIDERATIONS:

Eyewash facility and emergency shower should be in close proximity. Always wash hands after handling any chemical.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, blue liquid.
ODOR:	Ammonia.
ODOR THRESHOLD:	Not available.
pH (100%):	10.4 – 10.8
MELTING POINT/FREEZING POINT	Not determined
INITIAL BOILING POINT AND BOILING RANGE	213°F (100°C)
FLASH POINT (METHOD USED)	Not available.
EVAPORATION RATE	1.0 (water = 1).
FLAMMABILITY (SOLID, GAS)	Not available.
UPPER/LOWER FLAMMABLE OR EXPLOSIVE LIMIT	Not available.
VAPOR PRESSURE	Not available.
VAPOR DENSITY	Not available.
SPECIFIC GRAVITY	0.99
SOLUBILITY IN WATER	Complete.
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
VISCOSITY, DYNAMIC	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VISCOSITY	Not available.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Hazardous reactions will not occur under normal conditions.
CHEMICAL STABILITY:	Stable under recommended handling and storage conditions (see Section 7).
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization will not occur.
CONDITIONS TO AVOID:	No data found
INCOMPATIBLE MATERIALS:	Strong oxidizing agents, acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide.

SAFETY DATA SHEET

SECTION 11: TOXOLOGICAL INFORMATION

ACUTE TOXICITY:	Not classified.	
LD50 AND LC50 DATA:	Not available.	
ROUTES OF EXPOSURE / SYMPTOMS		
EYES:	WARNING! Contacted areas may exhibit irritation.	
SKIN:	WARNING! Contacted areas may exhibit irritation.	
INGESTION:	WARNING! May be harmful if swallowed.	
INHALATION:	May cause nasal and respiratory irritation.	
GERM CELL MUTAGENICITY:	Not classified.	
TERATOGENICITY:	Not available.	
CHRONIC EFFECTS / CARCINOGENICITY:	This material contains no ingredient above de minimus concentrations known or suspected to cause cancer.	
SPECIFIC TARGET ORGAN TOXICITY (Repeated exposure):	Not classified.	
REPRODUCTIVE TOXICITY:	Not classified.	
SPECIFIC TARGET ORGAN TOXICITY (Single exposure):	Not classified.	
ASPIRATION HAZARD:	Not classified.	
COMPONENT INFORMATION:		
Ammonia	LD50 Oral:	No data
	LD50 Dermal rabbit:	No data
	LC50 Inhalation rat:	2000 ppm 4 hours

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY	The ecotoxicity of this product is not known
COMPONENT INFORMATION	

Ammonia	Freshwater Fish Toxicity Data: LC50 Rainbow trout: 0.97 mg/L/24 hr (static) LC50 Fathead minnow: 8.2 mg/L/96 hr (static) Invertebrate Toxicity Data: EC50 Daphnia magna: 189 mg/L/48 hr (static)
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PERSISTENCE AND DEGRADABILITY:	Not available.
BIOACCUMULATIVE POTENTIAL:	Not available.
MOBILITY IN SOIL:	Not available.
OTHER ADVERSE EFFECTS:	This material contains no hazardous air pollutants (HAPS).

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Normal for alkaline wastes. May require pH adjustment for neutralization. Dispose in accordance with local, state and federal regulations.
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SECTION 14: TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:	Compound, cleaning, NOI, liquid
HAZARD CLASS:	Not applicable.
IDENTIFICATION NUMBER:	Not applicable.
PACKING GROUP:	Not applicable.
EMERGENCY RESPONSE GUIDE:	Not applicable.

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SECTION 15: REGULATORY INFORMATION

VOC: 0.06 pounds per gallon (7 grams per liter).
TSCA STATUS All ingredients are listed on the TSCA inventory.
CERCLA REPORTABLE QUANTITY 100 pounds of potassium hydroxide (approximately 603 gallons).

SARA 311 / 312 HAZARD CLASSES

x	ACUTE HEALTH
	FIRE
	SUDDEN RELEASE OF PRESSURE
	CHRONIC HEALTH
	REACTIVE

SARA 312 INFORMATION

Ammonia, a component of this product, is an EHS under SARA 312. The threshold planning quantity is 500 pounds. Storage of more than 3,015 gallons of this product would require filing a Tier 2 form.

SARA 313 INFORMATION

This material contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

CHEMICAL NAME

None

CATEGORY CODE

CAS NUMBER

% BY WEIGHT

STATE REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

California has not identified the ingredients listed in Section 3 as known to cause cancer or reproductive toxicity.

SECTION 16: OTHER INFORMATION

SDS STATUS: Revised sections 2, 3, and 16 on 08-17-16.

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

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