

SAFETY DATA SHEET

Ultra A/C

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Printed: 05/22/2015

Revision: 05/02/2015

Supersedes Revision: 04/28/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: BRA/BAC
Product Name: Ultra A/C
Company Name: Brady Industries, LLC
7055 Lindell Road
Las Vegas, NV 89118
Phone Number: +1 (702)876-3990
Web site address: www.shepardbros.com
Emergency Contact: CHEMTREC +1 (800)424-9300
Product Category: Anti-Chlor

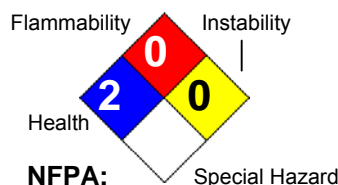
2. HAZARDS IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 1



GHS Signal Word: Danger
GHS Hazard Phrases: H318 - Causes serious eye damage.
GHS Precaution Phrases: P280 - Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases: P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/physician.
GHS Storage and Disposal Phrases: No phrases apply.

Hazard Rating System:



Potential Health Effects (Acute and Chronic): Chronic: Prolonged or repeated skin contact may cause dermatitis. Repeated or prolonged exposure may cause allergic reactions in sensitive individuals.
Inhalation: Airborne concentrations of mist or spray may cause irritation to the upper respiratory tract and lungs.
Skin Contact: Mildly corrosive and can cause reddening and irritation of the skin.
Eye Contact: Corrosive to eyes resulting in irritation, reddening, and tearing. May cause serious eye damage.
Ingestion: May cause irritation of the mucous membranes in the mouth, throat, esophagus, and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
7681-57-4	Sodium metabisulfite	15.0 - 20.0 %

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

In Case of Inhalation:	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical attention immediately.
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical aid if irritation develops and persists.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical attention immediately.
In Case of Ingestion:	Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Note to Physician:	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt:	NA	Method Used:	Not Applicable
Explosive Limits:	LEL: No data.		UEL: No data.
Autoignition Pt:	NA		
Suitable Extinguishing Media:	Foam, CO2, water fog, sand/earth.		
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Containers may explode in the heat of a fire. Use water spray to cool unopened containers.		
Flammable Properties and Hazards:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, toxic sodium oxide, Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.		

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions:	Do not let product enter drains, sewers, watersheds or water systems.
Steps To Be Taken In Case Material Is Released Or Spilled:	Spills/Leaks: Provide ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Uncontrolled releases should be responded to by trained personnel, using pre-planned procedures. For small releases, clean up spilled liquid wearing gloves, goggles, faceshield, and suitable body protection. The minimum Personal Protective Equipment recommended for response to non-incident releases should be Level B: triple-gloved (neoprene gloves and nitrile gloves over latex gloves), chemical resistant suit and boots, hard hat, and SCBA. Monitor the area for dusts of this product's components and the level of oxygen. Monitoring must indicate that exposure levels are below those provided in Section 3 and that oxygen levels are above 19.5% before anyone is permitted in the area without a self-contained breathing apparatus (SCBA). Vacuum or sweep up spilled material. Neutralize residue with citric acid or other neutralizing agent for bases. Decontaminate the area thoroughly. Test area with litmus

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paper to ensure neutralization. Place spilled material and cleanup materials in an approved container.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Use as directed. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Remove contaminated clothing and wash before reuse.
Precautions To Be Taken in Storing:	Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight. Keep away from heat, sparks and flame. Keep container tightly closed. Keep container closed when not in use. Protect containers against damage.
Other Precautions:	Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7681-57-4	Sodium metabisulfite	No data.	TLV: 5 mg/m3	No data.
Respiratory Equipment (Specify Type):	Avoid breathing vapors and mists. Use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with dust/mist cartridges when concentrations are unknown.			
Eye Protection:	Wear chemical splash goggles and a full-face shield where there is potential for eye contact.			
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves. nitrile gloves.			
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure. Chemical resistant apron. Rubber or neoprene boots.			
Engineering Controls (Ventilation etc.):	Use adequate mechanical or local exhaust ventilation to minimize exposure levels, particularly in areas where the air contacts open process equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.			
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas	[X] Liquid	[] Solid
Appearance and Odor:	Appearance: Clear. colorless. Liquid. Odor: Odorless.		
Melting Point:	NA		
Boiling Point:	NA		
Decomposition Temperature:	NA		
Autoignition Pt:	NA		
Flash Pt:	NA	Method Used:	Not Applicable
Explosive Limits:	LEL: No data.		UEL: No data.
Specific Gravity (Water = 1):	1.17		
Density:	9.77 LB/GA		
Bulk density:	NA		
Vapor Pressure (vs. Air or mm Hg):	NA		
Vapor Density (vs. Air = 1):	NA		
Evaporation Rate:	NA		
Solubility in Water:	Complete		

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Saturated Vapor Concentration: NA
Viscosity: NA
pH: 9.7
Percent Volatile: NA
VOC / Volume: NA
Particle Size: NA
Heat Value: NA
Corrosion Rate: NA

10. STABILITY AND REACTIVITY

Reactivity: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, toxic sodium oxide, Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: High temperatures, Ignition sources, Incompatible materials, Direct sunlight.

Incompatibility - Materials To Avoid: Strong acids, Strong oxidizers, Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.

Hazardous Decomposition or Byproducts: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, toxic sodium oxide.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: Two cases of occupational asthma in laundry workers exposed to sodium metabisulfite were reported. Sodium metabisulfite may be considered to be the anhydride of sodium bisulfite and is the chief constituent of commercial dry sodium bisulfite.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.

Carcinogenicity/Other Information: Other Studies: CAS# 7681-57-4:
Acute toxicity, TDLo, Oral, Rat, 1050 mg/kg.
CAS# 7681-57-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: No information available.
Physical: No information available.

Results of PBT and vPvB assessment: Other Studies: CAS# 7681-57-4:
LC50, Bluegill (*Lepomis macrochirus*), 32 - 49 mg/L, 24H, Mortality.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

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Mobility in Soil: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class:

UN/NA Number:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7681-57-4	Sodium metabisulfite	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
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7681-57-4	Sodium metabisulfite	TSCA: Yes - Inventory, 8A PAIR; CA PROP.65: No; CA TAC, Title 8: Title 8
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16. OTHER INFORMATION

Revision Date: 05/02/2015

Preparer Name: Crystal Maira

Additional Information: No data available.

Company Policy or Disclaimer: Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.