

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	BULLHEAD RED
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2305
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	All purpose cleaner/degreaser
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2305.09
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2024-08-29

REPLACES MSDS VERSION DATED: 2023-09-11 and all prior revisions

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:			
Health	Skin corrosion/irritation	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
	Serious eye damage/Eye irritation	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5

Label elements



Signal word	Danger
Hazard statements:	Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary statements:	
Prevention	Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Immediately call a POISON CENTER or doctor/physician if you feel unwell after exposure of this product.
Response	Specific treatment: Wash contaminated clothing before reuse. IF SWALLOWED: Call a Poison Control Center or doctor/physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN OR HAIR: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
Storage	Store locked up.
Disposal	Dispose of contents/container in conformance with State, Local, and Federal regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
2-butoxyethanol	111-76-2	0-15
Nonylphenol, ethoxylated	127087-87-0-9	0-15
Sodium Hydroxide	1310-73-2	0-15
Disodium oxosilanediolate	6834-92-0	0-15

SECTION 4: FIRST AID MEASURES

Inhalation	If inhalation of mists, vapors, or spray occurs and adverse effects result, remove to uncontaminated area. Evaluate ABC's (is Airway constricted, is Breathing occurring, and is blood Circulating) and treat symptomatically. GET MEDICAL ATTENTION IMMEDIATELY. There is no specific antidote, treat symptomatically.
Skin contact	Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry, and shoes immediately. Wash contaminated areas with large amounts of water. GET MEDICAL ATTENTION IMMEDIATELY. Thoroughly clean and dry contaminated clothing before reuse. Discard contaminated leather goods.

Eye contact	Immediately flush contaminated eyes with a directed stream of water for as long as possible. Remove contact lenses, if present and easy to do. Continue rinsing. GET MEDICAL ATTENTION IMMEDIATELY. Washing eyes within several seconds is essential to achieve maximum effectiveness.
Ingestion	If swallowed, do not induce vomiting. For definite or probable ingestion, do not administer oral fluids. If vomiting occurs spontaneously, keep airway clear. Monitor airway. Volume resuscitation (IV fluids) and circulatory support (CPR) may be required. Never give anything by mouth to an unconscious or convulsive person. GET MEDICAL ATTENTION IMMEDIATELY.
Notes to Physician	Medical observation and assessment is recommended for all ingestions, all eye exposures, and symptomatic inhalation and dermal exposures. For symptomatic ingestion, do not administer oral fluids and consider investigation by endoscopy, X-ray, or CT scan. Esophageal perforation, airway compromise, hypotension, and shock are possible. For prolonged exposures and significant exposures, consider delayed injury to exposed tissues. There is no antidote. Treatment is supportive care. Follow normal parameters for airway, breathing, and circulation. Surgical intervention may be required.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media	Use extinguishing agents appropriate for surrounding fire.
Unsuitable extinguishing media	Not available
Hazardous decomposition	Toxic vapors of Sodium Oxide.
Fire Fighting	Move container from fire area if it can be done without risk. Cool containers with water. Avoid contact with skin. Do not apply water directly on this product. Heat is generated when mixed with water. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Do not get in eyes, on skin or on clothing. Avoid breathing mist, vapor, or spray. Do not ingest. Wear appropriate person protective equipment recommended in Section 8.
Methods and materials for containment and cleanup	In case of spill or leak, stop the leak as soon as possible, if safe to do so. Completely contain spilled materials with dikes, sandbags, etc. Shovel dry material into suitable container. Liquid material may be removed with a vacuum truck. Remaining material may be diluted with water and neutralized with diluted acid, then absorbed and collected. Flush spill area with water, if appropriate.
Environmental precautions	Keep out of water supplies and sewers. Do not flush into surface water or sanitary sewer system. This material is alkaline and may raise the pH of surface waters with low buffering capacity. Releases should be reported, if required, to appropriate agencies.

SECTION 7: HANDLING AND STORAGE

Handling	Avoid breathing vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not ingest. Do not eat, drink or smoke in areas where this material is used. Wear personal protective equipment as described in Exposure Controls/Personal Protection (Section 8) of the SDS. NEVER add water to product. When mixing, slowly add to water to minimize heat generation and spattering.
Storage	Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated. Keep separated from incompatible substances (see Section 10).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits. Respiratory Protection: An approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. If eye irritation occurs, a full face style mask should be used. A respiratory protection program that meets applicable regulatory requirements must be followed whenever workplace conditions warrant use of a respirator.
Personal protective equipment	The employers/user of this product must perform a Hazard Assessment of the workplace according to OSHA regulations 29 CFR 1910.132 to determine the appropriate PPE for use while performing any task involving potential exposure to this product

Eye/Face protection	Wear chemical safety goggles with a faceshield to protect against eye and skin contact when appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin/Body protection	Wear chemical resistant clothing and rubber boots when potential for contact with the material exists. Contaminated clothing should be removed, then discarded or laundered.
Hand protection	Wear appropriate chemical resistant gloves. Protective material types: Natural rubber, Neoprene, Nitrile, Polyvinyl chloride (PVC), Tyvekt, Tychem.
Respiratory protection	A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. If eye irritation occurs, a full face style mask should be used. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices. Wash hands and affected skin immediately after handling, before breaks, and at the end of the workday. When using do not eat or drink. When using do not smoke.

Occupational exposure limits

Components	CAS #	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
2-butoxyethanol	111-76-2	OSHA Z-1 TWA:240 mg/m ³ OSHA Z-1 TWA Absorbed via Skin	TWA 20ppm PE: 50 ppm	Not Established
Nonylphenol, ethoxylated	127087-87-0-9	Not Established	Not Established	Not Established
Sodium Hydroxide	1310-73-2	2 mg/m ³ (PEL)	2 mg/m ³ (ceiling)	10 mg/m ³ IDLH
Disodium oxosilanediolate	6834-92-0	Not Established	Not Established	Not Established

Biological limit values

ACGIH Biological Exposure Indices

Components	Cas #	Value	Determinant	Specimen
Ethanol, 2-Butoxy-	111-76-2	200 mg/m	Butoxyacetic acid (BAA), with hydrolysis	Creatinine in urine

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Red
Physical State	Liquid
Odor	Vanilla
Odor threshold	N/A
Flash point	N/A
Flammability	N/A
Partition Coefficient	N/A
Boiling range	339.8°F (171°C) to 2534°F (1390°C)
Melting point/freezing point	N/A
Upper/lower flammability	N/A
Auto-ignition temperature	N/A
Vapor pressure	N/A
Vapor density (Air-1)	N/A
Specific gravity/Density	1.06
Viscosity	Water thin
Water solubility	Soluble in water
pH	13.29
Evaporation rate	N/A
Decomp Temp	N/A
Specific gravity	1.06

SECTION 10: STABILITY AND REACTIVITY

Reactivity/Stability	Stable at normal temperatures and pressures.
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Chemical stability	No decomposition if used and stored according to specifications. Possibility of hazardous reactions. Reacts with metals forming hydrogen.
Conditions to avoid	Mixing with water, acid, or incompatible materials may cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas. Carbon monoxide gas may form upon contact with reducing sugars, food and beverage products in enclosed spaces. To avoid thermal decomposition do not overheat.
Incompatibilities/Materials to avoid	Acids and Halogenated compounds. Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys. Releases heat when diluted in water. Strong Oxidizing agents, Strong Acids None Known Acids and halogenated compounds. Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc, or other alkali sensitive metals or alloys. Releases heat when diluted in water. Reactivity Corrosive action on metals. Reacts with reducing agents. Reacts with alkali (yes). Reacts with organic substances. Ammonia (NH3), fluorine, sulfur trioxide (SO3), phosphorus pentoxide (P2O5). Reacts with metals forming hydrogen. Reacts with alkali (yes). Incompatible materials: Alkalis, Metals, Organic materials.
Hazardous polymerization	Will not occur.
Hazardous decomposition	Toxic vapors of Sodium Oxide Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aldehydes, Ketones, Organic acids. None Known Hazardous Decomposition Products: Toxic fumes of sodium oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Mixture toxicity

Acute toxicity	The severity of the tissue damage is a function of its concentration, the length of tissue contact time, and local tissue conditions. After exposure there may be a time delay before irritation and other effects occur. This material is a strong irritant and is corrosive to the skin, eyes, and mucous membranes. This material may cause severe burns and permanent damage to any tissue with which it comes into contact. Inhalation will cause severe irritation, possible burns with pulmonary edema, which may lead to pneumonitis. Skin contact with this material may cause severe irritation and corrosion of tissue. Repeated exposure may cause dermatitis. Eye contact can cause severe irritation, corrosion with possible corneal damage and blindness. Ingestion may cause irritation, corrosion/ulceration, nausea, and vomiting.
Carcinogenicity	This product is not classified as a carcinogen by NTP, IARC or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Information on ecological effects

Aquatic toxicity	This material has exhibited moderate toxicity to aquatic organisms. Data provided are for sodium hydroxide.	
Sodium hydroxide	1310-73-2	
Toxicity to fish LC50	Brook trout	25 ppm/24 hr
	King salmon	48 ppm
Toxicity to invertebrate LC50	Daphnia magna	100 ppm
	Shimp	33-100 ppm/48 hr
	Cockle	330-1000 ppm/48hr

Fate and Transport

Biodegradation	This material is inorganic and not subject to biodegradation.
Persistence	This material is alkaline and may raise the pH of surface waters with low buffering capacity. This material is believed to exist in the disassociated state in the environment.
Bioconcentration	This material is not expected to bioconcentrate in organisms.
Additional ecological information	This material has exhibited slight toxicity to terrestrial organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste from material	Reuse or reprocess, if possible. Dispose in accordance with all applicable regulations. May be
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subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous Waste Number(s): D002.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION FOR QUANTITIES GREATER THAN 5 LITERS PER CONTAINER.

UN number	UN3266
UN proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)
Transport hazard class(es)	Class 8 Subsidiary risk -
Packing group	II

DOT INFORMATION FOR QUANTITIES LESS THAN 5 LITERS PER JUG.

Shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE), LIMITED QUANTITY
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Transportation information on packaging may be different from that listed.

SECTION 15: REGULATORY INFORMATION

US federal regulations

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Suptp. D)	Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4)	
SODIUM HYDROXIDE (NA(OH)) (CAS 1310-73-2)	Listed.
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance	Not listed.	
SARA 311/312 Hazardous chemical	Yes	
Classified hazard categories	Skin corrosion or irritation Serious eye damage or eye irritation	
SARA 313 (TRI reporting)		
Chemical name	CAS number	% by weight
ETHANOL, 2-BUTOXY-	111-76-2	0-15

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated
Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)	Not regulated.
Safe Drinking Water Act (SDWA)	Not regulated.

State Regulations

California Proposition 65: This product is not known to contain any chemicals currently listed as carcinogens of reproductive toxins.
US California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3) subd. (a))
 ETHANOL, 2-BUTOXY- (CAS 111-76-2)
 SODIUM HYDROXIDE (NA(OH)) (CASE 1310-73-2)

International Inventories

County or region	Inventory name	On inventory (yes/no)*
Canada	Domestics Substances List (DSL)	Yes
Canada	Non- Domestics Substances List (NDSL)	No
US & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing county(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: OTHER INFORMATION

Important Note: *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials 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 that exist. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

End of SDS
