SAFETY DATA SHEET

AMERICAN INDUSTRIES, INC.
WWW.AMERICANINDUSTRIES.COM

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:**	2305.08
EMERGENCY PHONE:	**CHEMTREC 1-800-424-9300**	**SDS DATE:**	2023-09-11

REPLACES MSDS VERSION DATED: 2016-01-27 *and all prior revisions*

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:

Health	Acute toxicity, inhalation	2
	Skin corrosion/irritation	1
	Serious eye damage/Eye irritation	1
	Specific target organ toxicity, repeated exposure	1
Physical	Flammable liquids	4

Label elements

Signal word	None
Hazard statements:	Fatal if inhaled

Precautionary statements:

Prevention	Do not breathe vapor. Use only outdoors or in a well-ventilated area. Wear respiratory protection.
Response	Specific treatment is urgent. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Storage	Store in a well-ventilated place. Keep container tightly closed.
Disposal	Not available

Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	%
Ethanol, 2-Butoxy-	111-76-2	9
Benzenesulfonic Acid, Dimethyl-, Sodium Salt (1:1)	1300-72-7	2.48
Silicic Acid (H2SIO3), Sodium Salt (1:2)	6834-92-0	1.9845
Sodium Hydroxide (NA(OH))	1310-73-2	1.8189
Clycine, N,N'-1,2-Ethanediylbis[N-(Carboxymethyl)-, Sodium Salt (1:4)	64-02-8	1.4742
Poly(oxy-1,2-Ethanediyl), Alpha-Hydro-Omega-Hydroxy-	25322-68-3	0.0405

SECTION 4: FIRST AID MEASURES

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance.

	Induce artificial respiration with the air of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.
Skin contact	Not available.
Eye contact	Not available.
Ingestion	Not available.
Most important symptoms/effects, acute and delayed	Not available.
Indication of immediate medical attention and special treatment needed	Keep victim warm.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media	Not available
Unsuitable extinguishing media	Not available
Specific hazards arising from the chemical	Not available
Special protective equipment and precautions for firefighters	Not available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures	Do not breathe vapors or spray mist.
Methods and materials for containment and cleanup	Not available.
Environmental precautions	Not available.

SECTION 7: HANDLING AND STORAGE

Handling	Do not breathe vapors or spray mist. Use only outdoors or in a well-ventilated area.
Storage	Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Not available.
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	Chemical goggles are recommended
Skin protection	Not available.
Respiratory protection	Wear positive pressure self-contained breathing apparatus (SCBA).
Thermal hazards	Not available.

Occupational exposure limits

US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	CAS #	Value	TYPE
Ethanol, 2-Butoxy-	111-76-2	240 mg/m3	PEL
Sodium Hydroxide (NA(OH))	1310-73-2	50 ppm	PEL
US ACGIH Threshold Limit Values			
Ethanol, 2-Butoxy-	111-76-2	20 ppm	TWA
Sodium Hydroxide (NA(OH))	1310-73-2	2 mg/m3	Ceiling
US NIOSH Pocket Guide to Chemical Hazards			
Ethanol, 2-Butoxy-	111-76-2	24 mg/m3	TWA

Sodium Hydroxide (NA(OH))	1310-73-2	2 mg/m3	Ceiling	

US Workplace Environmental Exposure Level (WEEL) Guides

Components	CAS #	Value	Type	Form
Poly(Oxy-1,2-Ethanediyl), Alpha-Hydro-Omega-Hydroxy	25322-68-3	10 mg/m3	TWA	Particulate

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

Exposure guidelines

US – California OELs: Skin designation

Ethanol, 2-Butoxy	111-76-2	Can be absorbed through the skin.

US – Minnesota Haz Subs: Skin designation applies

Ethanol, 2-Butoxy	111-76-2	Skin designation applies.

US – Tennessee OELs: Skin designation

Ethanol, 2-Butoxy	111-76-2	Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Ethanol, 2-Butoxy	111-76-2	Can be absorbed through the skin.

US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Ethanol, 2-Butoxy	111-76-2	Can be absorbed through the skin.

Appropriate engineering controls	Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Red
Physical State	Liquid
Odor	Honey/Almond
Flash point	180°F (82.2°C)
Flammability	Not available
Partition Coefficient	Not available
Boiling point	270.47°F (132.48°C)
Melting point/freezing point	Not available
Auto-ignition temperature	Not available
Vapor pressure	Not available
Vapor density (Air-1)	Not available
Specific gravity/Density	1.05
Viscosity	Not available
Water solubility	Soluble in water
pH	>13
Evaporation rate	Not available
Decomp Temp	Not available
Density	8.77 lbs/gal
Flammability class	Combustible IIIA estimated
Percent volatile	89.3% estimated
Specific gravity	1.05
VOC	9.04% estimated

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not available
Chemical stability	Not available
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Not available
Materials to avoid	Not available
Hazardous decomposition	Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Fatal if inhaled
Skin contact	Not available.
Eye contact	Not available.
Ingestion	Not available.
Symptoms related to the physical, chemical, and toxicological characteristics	Not available.

Information on toxicological effects

Acute toxicity	Fatal if inhaled.	
Ethanol, 2-Butoxy-	111-76-2	
Acute toxicity	LD50 Dermal-rabbit	400 mg/kg
	LD50 Oral-rat	560 mg/kg
Glycine, N,N'-1,2-Ethanediylbis[N-Carboxymethyl)-, Sodium Salt (1:4)	64-02-8	
Acute toxicity	LD50 Oral-rat	>2,000 mg/kg
Silicic Acid (H2SIO3), Sodium Salt (1:2)	6834-92-0	
Acute toxicity	LD50 Oral-rat	1,280 mg/kg

Skin corrosion/irritation	Not available.	
Serious eye damage/eye irritation	Not available.	
Respiratory sensitization	Not available.	
Skin sensitization	Due to partial or complete lack of data the classification is not possible.	
Germ cell mutagenicity	Not available.	
Carcinogenicty		
IARC	Ethanol, 2-Butoxy- Cas#111-76-2	3 Not classifiable as to carcinogenicity to humans.
NTP	Not listed.	
OSHA	Not listed.	
Reproductive toxicity	Not available.	
Specific target organ toxicity	Single Exposure-Not available.	Repeated Exposure-Not available.
Aspiration hazard	No data available	

SECTION 12: ECOLOGICAL INFORMATION

Information on ecological effects

Ethanol, 2-Butoxy	111-76-2	
Toxicity to fish LC50	Inland silberside (Menidia beryllina)	1,250 mg/l, 96 hours

Glycine, N,N'-1,2-Ethanediylbis[N-Carboxymethyl)-, Sodium Salt (1:4)	64-02-8	
Toxicity to fish LC50	Bluegill (Lepomis macrochirus)	472-500 mg/l, 96 hours
Poly(Oxy-1,2-Ethanediyl), Alpha-Hydro-Omega-Hydroxy	258322-68-3	
Toxicity to fish LC50	Atlantic salmon (Salmo salar)	>1,000 mg/l, 96 hours
Sodium Hydroxide (NA(OH))	1310-73-2	
Toxicity to crustacea EC50	Water flea (Ceriodaphnia dubia)	34.59-47.13 mg/l, 48 hours
Toxicity to fish LC50	Western mosquito fish (Gambusia affinis)	125 mg/l, 96 hours

Persistence and degradability: Not available.

Bio-accumulative potential: Not available.

Partition coefficient n-octanol/water (log Kow)

Ethanol, 2-Butoxy-	0.83

Mobility in soil: Not available.

Other adverse effects: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions: Incinerate the material under controlled conditions in an approved incinerator. Dispose of this material and its container to hazardous or special waste collection point.

Hazardous waste code: D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]

Waste from residues/unused products: Not available.

Contaminated packaging: Not available.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION FOR QUANTITIES GREATER THAN 5 LITERS PER CONTAINER.

UN number	UN1760	
UN proper shipping name	SODIUM HYDROXIDE SOLUTION	
Transport hazard class(es)	Class	8
	Subsidiary risk	-
Packing group	III	
Special precautions for user	Not available.	
ERG number	154	

Transportation information on packaging may be different from that listed.

DOT INFORMATION FOR QUANTITIES LESS THAN 5 LITERS PER JUG.

Shipping name	SODIUM HYDROXIDE SOLUTION, LIMITED QUANTITY
Special precautions for user	Not available.
ERG number	154

Transportation information on packaging may be different from that listed.

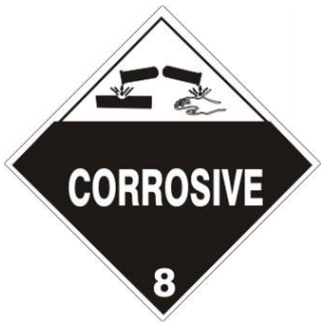
IATA

UN number	UN1760	
UN proper shipping name	SODIUM HYDROXIDE SOLUTION	
Transport hazard class(es)	Class	8
	Subsidiary risk	-
Packing group	III	
Environmental hazards	No.	
ERG Code	154	
Special precautions for user	Not available.	

IMDG

UN number	US3082	
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLY(OXY-1,2-ETHANEDIYL), ALPHA-(4-NONYLPHENYL)-OMEGA-HYDROXY-, BRANCHED), MARINE POLLUTANT	
Transport hazard class(es)	Class	9
	Subsidiary risk	-
Packing group	III	
Environmental hazards	Marine pollutant	Yes.
EmS	F-A, S-F	
Special precautions for user	Not available.	

DOT



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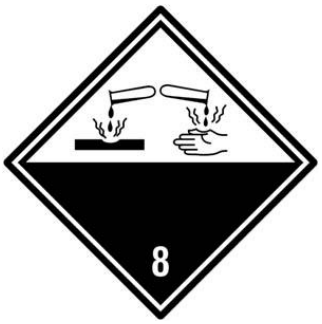

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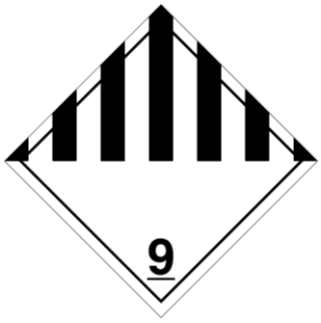
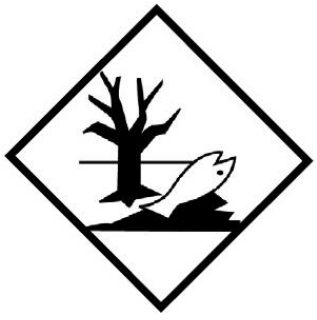


Marine pollutant



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	Flammable (gases, aerosols, liquids, or solids) Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

Chemical name	CAS number	% by weight
ETHANOL, 2-BUTOXY-	111-76-2	9

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