

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	DRENLIN III
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	3080
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Ready to use degreaser
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	3080.02
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2023-09-14

REPLACES MSDS VERSION DATED: 2019-09-18 and all prior revisions

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:

Health hazards	Acute toxicity, oral	2
	Acute toxicity, dermal	2
	Acute toxicity, inhalation	2
	Skin corrosion/irritation	1
	Serious eye damage/eye irritation	1
	Carcinogenicity	2
	Specific target organ toxicity, repeated exposure	1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	
Label elements		



Signal word	DANGER
Hazard statements:	Fatal if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage. Fatal in inhaled. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure.
Precautionary statements:	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapor. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection.
Response	IF SWALLOWED: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN OR HAIR: Immediately remove contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment if urgent (see this label.) Immediately remove all contaminated clothing and wash it before reuse.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international 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>
Phosphoric Acid, Sodium Salt (1:3)	7601-54-9	2.998
Ethanol, 2-Butoxy-	111-76-2	2.4
Amides, Coco, N,N-BIS(Hydroxyethyl)	68603-42-9	2.1514
Diphosphoric Acid, Potassium Salt (1:4)	7320-34-5	1.5
Ethanol, 2,2'-Iminobis-	111-42-2	0.8366

Sodium Hydroxide (NA(OH))	1310-73-2	0.0025
Other components below reportable levels		90.1115

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 aid 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	Immediately remove all contaminated clothing. Rinse skin with water/shower. Call a physician. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Immediately remove all contaminated clothing. If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible.) Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Discard any shoes or clothing items that cannot be decontaminated.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media	Water fog, foam, dry chemical powder, carbon dioxide (CO ₂)
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Firefighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protections, see section 8 of the SDS.
Methods and materials for containment and cleanup	Large spills: Stop the flow of material, if this is without risk. Dike the spilled material where possible. Absorb in vermiculite, dry sand, or earth and place into containers. Following product recovery, flush area with water. Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses, or onto the ground.

SECTION 7: HANDLING AND STORAGE

Handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink, or smoke. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.
Storage	Store locked up, in tightly closed container, in a well-ventilated place. Store away from incompatible materials (see section 10 of the SDS.)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
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 respirator with organic vapor cartridge and full facepiece
Skin protection	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Observe any medical surveillance requirements. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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/m ³ , 50ppm	PEL
Sodium Hydroxide (NA(OH))	1310-73-2	2mg/m ³	PEL

US ACGIH Threshold Limit Values

Ethanol, 2,2'-Iminobis-	111-42-2	1 mg/m ³	TWA
Ethanol, 2-Butoxy-	111-76-2	20 ppm	TWA
Sodium Hydroxide (NA(OH))	1310-73-2	2 mg/m ³	Ceiling

US NIOSH Pocket Guide to Chemical Hazards

Ethanol, 2,2'-Iminobis-	111-42-2	15 mg/m ³ , 3ppm	TWA
Ethanol, 2-Butoxy-	111-76-2	24 mg/m ³ , 5ppm	TWA
Sodium Hydroxide (NA(OH))	1310-73-2	2 mg/m ³	Ceiling

US Workplace Environmental Exposure Level (WEEL) Guides

Phosphoric Acid, Sodium Salt (1:3)	7601-54-9	5 mg/m ³	STEL
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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, 2,2'-Iminobis	111-42-2	Can be absorbed through the skin.
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 ACGIH Threshold Limit Values: Skin designation		
Ethanol, 2,2'-Iminobis	111-42-2	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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Blue liquid
Physical State	Liquid
Odor	Mild
Odor threshold	Not available.
Flash point	200°F (93°C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Partition coefficient (n-octanol/water)	Not available.
Initial boiling point and boiling range	217.96°F (103.31°C) estimated
Melting point/freezing point	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Water solubility	Not available.
Density	8.77 lbs/gal, 1.05 g/ml
Explosive properties	Not explosive.
Flammability class	Combustible IIIIB estimated
Oxidizing properties	Not oxidizing.
pH	>12
Percent volatiles	92.3% estimated
Specific gravity	1.05
VOC	2.4% estimated

SECTION 10: STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage, and transport
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition	No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Fatal if inhaled.
Skin contact	Fatal in contact with skin. Causes severe skin burns.
Eye contact	Causes serious eye damage.
Ingestion	Fatal if swallowed. Causes digestive tract burns.
Symptoms related to the physical, chemical, and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Information on toxicological effects	
Acute toxicity	Fatal if inhaled. Fatal in contact with skin. Fatal if swallowed.
Ethanol, 2,2'-Iminobis-	111-42-2
Acute toxicity	LD50 Oral-rat 710 mg/kg
Ethanol, 2-Butoxy-	111-76-2
Acute toxicity	LD50 Dermal-rabbit 400 mg/kg LD50 Oral-rat 560 mg/kg
Phosphoric Acid, Sodium Salt (1:3)	7601-54-9
Acute toxicity	LD50 Dermal-rabbit >=2 mg/kg LD50 Oral-rat 4.8 mg/kg
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.
Skin sensitization	Due to partial or complete lack of data the classification is not possible.
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Suspected of causing cancer
IARC	Amides, COCO, N,N- Bis(Hydroxyethyl) CAS 68603-42-9 2B Possibly carcinogenic to humans Ethanol, 2,2'-Iminobis- CAS 111-42-2 2B Possibly carcinogenic to humans Ethanol, 2-Butoxy- CAS 111-76-2 3 Not classifiable as to carcinogenicity to humans.
NTP	Not listed.
OSHA	Not listed.
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity, single or repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.
Chronic effects	Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.	
Ethanol, 2,2'-Iminobis-	111-42-2	
Toxicity to crustacea EC50	Water flea (Ceriodaphnia dubia)	61.8 – 86.04 mg/l, 48 hours
Toxicity to fish LC50	Fathead minnow (Pimephales promelas)	100 mg/l, 96 hours
Ethanol, 2-Butoxy-	111-76-2	
Toxicity to fish LC50	Inland silverside (Menidia beryllina)	1,250 mg/l, 96 hours

Phosphoric Acid, Sodium Salt (1:3)	7601-54-9	
Toxicity to fish LC50	Western mosquitofish (Gambusia affinis)	28.5 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	No data is available on the degradability of any ingredients in the mixture.	
Bio-accumulative potential		

Partition coefficient n-octanol/water (log Kow)

Ethanol, 2,2'-Iminobis-	-1.43
Ethanol, 2-Butoxy-	0.83

Mobility in soil Not available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone create potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel] The waste code should be assigned in discussion between the user, the producers, and the waste disposal company.
Waste from residues/unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residue. This material and its container must be disposed of in a safe manner (see: Disposal instructions.)
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

DOT	
UN number	UN3266
UN proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (TRISODIUM PHOSPHATE)
Transport hazard class(es)	Class 8
	Subsidiary risk -
Packing group	III
Special precautions for user	Read safety instructions, SDS, and emergency procedures before handling.
ERG number	154

Transportation information on packaging may be different from that listed.

DOT



SECTION 15: REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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)

Ethanol, 2,2'-Iminobis- (CAS 111-42-2) Listed.

Phosphoric Acid, Sodium Salt (1:3) (CAS 7601-54-9) Listed

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 Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation
Carcinogenicity
Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

Chemical name	CAS number	% by weight
ETHANOL, 2-BUTOXY-	111-76-2	2.4

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Ethanol, 2,2'-Iminobis- (CAS 111-42-2)

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:

WARNING: This product can expose you to Ethanol, 2,2'-Iminobis-, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

US California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3) subd. (a))

AMIDES, COCO, N,N-BIS(HYDROXYETHYL) (CAS 68603-42-9)

ETHANOL, 2,2'-IMINOBIS- (CAS 111-42-2)

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