

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	Ai-365
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	3079
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Cleaner & Rust Inhibitor
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	3079.01
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2017-09-25

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Health	Acute toxicity	Dermal 5
Environmental	Hazards to the aquatic environment	Acute 1
Label elements		



Signal word	Warning
Hazard statements	H400-Very toxic to aquatic life H313-May be harmful in contact with skin

Precautionary statements	P305 - IF IN EYES: Flush eyes with plenty of water. If redness persists, seek medical attention. P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+352 - IF ON SKIN: Wash with soap and water. P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P211 - Do not spray on an open flame or other ignition source. P221 - Take any precaution to avoid mixing with combustibles.
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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Sodium nitrate	7632-00-0	<10
Triethanolamine	102-71-6	<10

SECTION 4: FIRST AID MEASURES

Inhalation	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Skin contact	Promptly flush skin with water until all chemical is removed.
Eye contact	Flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Contact a physician if redness persists
Ingestion	Give 1-2 glasses of water. Do not induce vomiting. Get medical advice. Do not give anything by mouth to an unconscious or convulsing person.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point	Not available
Flash Point Method	N/A
Extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Not applicable
Hazardous combustion products	Not applicable

Special exposure hazards	Unknown
Special protective equipment	Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Use appropriate protective equipment. (See Section 8.)

Environmental Precautionary Measures: Do not empty into drains.

Methods and Materials for Containment and Cleanup: Soak up residue with an absorbent such as clay or sand. Place in a nonleaking container for proper disposal according to Federal, State, and Local regulations. Do not discharge into waterways or sewage systems.

SECTION 7: HANDLING AND STORAGE

Handling	Use in a well-ventilated area.
Storage	Keep from freezing. Store between 50 and 80 degrees F (10 -27 degrees C).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use in well ventilated area.

Personal Protective Equipment: Safety Glasses, Gloves, Apron

Sodium nitrite	7632-00-0	<10%
Triethanolamine	102-71-6	<10%

Components with workplace control parameters

TWA		
Skin & eye irritation	5 mg/m ³	USA ACGIH Threshold Limit Values (TLV)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Colorless to light yellow
Physical State	Liquid
Odor	Mild
Odor Threshold	No data available
Flash point	Not available
Flammability	Not available
Partition Coefficient	Not available
Boiling point	N/A
Melting point/freezing point	Not available
Auto-ignition temperature	Not available
Vapor pressure	Not available
Vapor density (Air-1)	Not available
Specific gravity/Density	1.1
Viscosity	Not available
Solubility	Soluble
pH	Not available
Evaporation rate (Water=1)	Slower than water
Decomp Temp	Not available

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable
Conditions to avoid	Open flame and heat; freezing
Materials to avoid	Strong oxidizing agents
Hazardous decomposition	Carbon dioxide, carbon monoxide

Hazardous polymerization Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Sodium nitrite 7632-00-0 <10%

Information on toxicological effects

Acute toxicity LD50 Oral-rat 157.9 mg/kg

LD50 Oral-mouse 175mg/kg

Remarks: Vascular: BP lowering not characterized in autonomic section. Vascular: Regional or general arteriolar or venous dilation.

Inhalation No data available

Dermal No data available

Skin corrosion/irritation Skin-rabbit Result: No skin irritation-48 h (OECD Test Guideline 405)

Serious eye damage/eye irritation Eyes-rabbit Result: Moderate eye irritation-24 h (OECD Test Guideline 405)

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity

IARC 2-A-Group 2A: Probably carcinogenic to humans (Sodium nitrite)

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity No data available.

Specific target organ toxicity Single Exposure-No data available Repeated Exposure-No data available

Aspiration hazard No data available

Additional Information RTECS: RA1225000

Headache, Nausea, Incoordination., Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer. Liver - Irregularities - Based on Human Evidence

Triethanolamine 102-71-6 <10%

Information on toxicological effects

Acute toxicity LD50 Oral-mouse 5846 mg/kg

Remarks: Behavioral: Convulsions or effect on seizure threshold. Diarrhea Kidney, Ureter, Bladder: Other changes.

LD50 Oral-rat 5,530 mg/kg

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Eye: Lacrimation. Diarrhea Skin and Appendages: Other: Hair.

LD50 Oral-rabbit 2,200 mg/kg

LD50 Oral-guinea pig 2,200 mg/kg

Inhalation No data available

Dermal LD50 dermal-rabbit >22.5 g/kg

Skin corrosion/irritation Skin-Rabbit Result: No skin irritation

Serious eye damage/eye irritation Eyes-rabbit Result-No eye irritation

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity

IARC	3-Group 3: Not classifiable as to its carcinogenicity to humans (2,2,2-Nitrioltriethanol)	
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
Reproductive toxicity	No data available.	
Specific target organ toxicity	Single Exposure-No data available	Repeated Exposure-No data available
Aspiration hazard	No data available	
Additional Information	RTECS: KL9275000	
Kidney injury may occur., Dermatitis		
Liver - Irregularities - Based on Human Evidence		

SECTION 12: ECOLOGICAL INFORMATION

Sodium nitrite	7632-00-0	[<10%]
Information on ecological effects		
Toxicity to fish flow-through test LC50	Oncorhynchus mykiss (rainbow trout)	0.94-1.92: mg/l - 96.0 h
Mortality NOEC	Oncorhynchus mykiss (rainbow trout)	0.54 mg/l – 96.0 h
Toxicity to daphnia and EC50 And other aquatic invertebrates	Daphnia magna (Water flea)	Mg/l – 48 h
Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.	
Bio-accumulative potential	No data available	
Mobility in soil	No data available	
Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted		
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.	
Triethanolamine	102-71-6	[<10%]
Information on ecological effects		
Toxicity to fish LC50	Lepomis macrochirus (Bluegill)	450 – 1,000 mg/l – 96h
Toxicity to daphnia EC50 And other aquatic invertebrates	Daphnia	609.98 mg/l – 48 h
Persistence and degradability	Biodegradability Result: 96%	Readily biodegradable
Bio-accumulative potential	No data available	
Mobility in soil	No data available	
Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.		
Other adverse effects	No data available	

SECTION 13: DISPOSAL CONSIDERATIONS

Empty Containers: If empty container retains product residue, all label precautions must be observed. Dispose of unused product prior to disposing of empty container.

Disposal Considerations of Substance: Do not discharge into waterways or sewage systems. Transport with all closures in place. Return for reuse or dispose of according to national, local, and state regulations.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION FOR UN 2491, Ethanolamine or Ethanolamine solutions, 8, PGIII
 QUANTITIES GREATER THAN 5 LITERS PER CONTAINER.
 DOT INFORMATION FOR Limited Quantity
 QUANTITIES LESS THAN 5.0 LITERS PER JUG:
 Marine Pollutant No

SECTION 15: REGULATORY INFORMATION

COMPONENT	(CAS/PERC)		CODES
RQ (100 LBS), Sodium Nitrite	7632-00-0	[<10%]	CERCLA, CSWHS, MASS, PA, SARA313, TSCA
Triethanolamine	102-71-6	[<10%]	HAP, MASS, PA, TSCA, TXAIR

REGULATORY CODE DESCRIPTIONS:

RQ = Reportable Quantity
 CERCLA = Superfund cleanup substance
 CSWHS = Clean Water Act Hazardous substances
 MASS = MA Massachusetts Hazardous Substances List
 PA = PA Right-To-Know List of Hazardous Substances
 SARA313 = SARA 313 Title III Toxic Chemicals
 TSCA = Toxic Substances Control Act
 HAP = Hazardous Air Pollutants
 TXAIR = TX Air Contaminants with Health Effects Screening Level

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS-RATING:	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	1

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