


SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	COIL MEDIC
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2330
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Foaming Coil Cleaner
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2330.06
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	09-26-2022
		REPLACES VERSION DATED 07-27-2017	<i>and all prior versions</i>

SECTION 2: HAZARDS IDENTIFICATION

Flammable Aerosol	Category 1	H222
Eye Irrit.	Category 2A	H319
Skin Sens.	Category 1	H317
Label elements		
Signal word	Danger	
Hazard statement:	Extremely flammable aerosol, May cause skin reaction, Causes serious eye irritation.	
Precautionary statements	Keep away from heat, hot surfaces, No smoking, open flames, sparks. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing gas. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the work place. Wear protective gloves, eye protection, face protection. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see First Aid measures on label). If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of contents/container to comply with local/regional/national/international. Regulations.	
Hazard(s) not otherwise classified (HNOC)	None known	
Supplemental Information	None	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Butane	106-97-8	2.5 - 10
Glycol Ether EB	111-76-2	1 - 2.5
Propane	74-98-6	1 - 2.5
Tetrasodium ethylenediaminetetracetate	64-02-8	1 - 2.5
Diethylene Glycol Monoethyl Ether	111-90-0	1 - 2.5
Sodium Nitrite	7632-00-0	0.1 - 1
Lemon Terpenes	68917-33-9	0.1 - 1
Terpene Hydrocarbons	68956-56-9	0.1 - 1
Other components below reportable levels		

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Inhalation	Move to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
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Skin contact	Wash off with soap and water. Get medical attention if irritation or rash develops and persists.
Eye contact	Rinse with water for 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Call physician immediately.
Most important symptoms/effects, acute and delayed	Causes eye irritation. May cause an allergic skin reaction. Extremely flammable. Inhalation: Irritation of the nasal mucus membranes. Skin contact: May cause an allergic skin reaction. Eye contact: Causes serious eye irritation. Ingestion: Not expected to present a significant ingestion hazard under normal use. Treat symptomatically
Indication of immediate medical attention and special treatment needed	

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Fire: Extremely flammable aerosol. Under fire conditions closed containers may rupture or explode. Explosion hazard: Contents under pressure. Pressurized container: may burst if heated. Reactivity: Upon combustion: CO and CO2 are formed.
Fire-fighting instructions/protection	Exercise caution when fighting any chemical fire. Move containers away from the fire area if this can be done without risk. Use water spray or fog for cooling exposed containers. For massive fire in cargo area, unattended hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General measures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Vapors may travel long distances ground before igniting/flashing back to source. Keep out of low areas.
Non-emergency personnel: protective equipment/emergency procedures	Do not enter without an appropriate protective equipment. Advise local authorities if considered necessary. Do not touch spilled material. Ventilate the area thoroughly, especially low-lying areas (basements, workpits, etc). Do not breathe gas. Evacuate unnecessary personnel. Keep upwind. Ventilate spillage area.
Emergency responders: protective equipment/emergency procedures	Equip cleanup crew with proper protection. Stop leak if safe to do so. Stop release. Ventilate area.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Prevent product from entering drains or confined areas. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Vapors are heavier than air and may spread along floors. Stop leak if safe to do so. Turn leaking containers leak side up to prevent the escape of liquid. Isolate area until gas has dispersed. Collect spillage. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Dispose as hazardous waste.
Environmental precautions	Avoid release to the environment. Advise local authorities if considered necessary. Stop leak if safe to do so. Do not contaminate water with the product or its container. Prevent entry to sewers and public waters. Do not allow to enter drains or water courses.

SECTION 7: HANDLING AND STORAGE

Additional hazards when processed	Do not use if spray button is missing or defective. Pressurized container: Do not pierce or burn, even after use. Keep away from heat, sparks and flame.
Precautions for safe handling	Avoid prolonged and repeated contact with skin. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal. Do not breathe gas/vapor/aerosol. Do not spray on a naked flame or any other incandescent material. Do not smoke while handling product. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground/bond container and receiving

equipment Do not reuse empty containers. Use only in well-ventilated areas. Avoid contact with skin and eyes. Observe normal hygiene standards. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking when leaving work. Do not discharge the waste into the drain. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Pressurized container. Do not puncture, incinerate or crush. Do not expose to heat or store at temperatures exceeding 50°C/122 °F. Refrigerate. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Stored containers should be periodically checked the general condition and leakage. Store at temperature <49°C/120 °F.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

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

<u>Components</u>	<u>Type</u>	<u>Value</u>	
Propane (CAS 74-98-6)	PEL	1800 mg/m ³	1000 ppm
Glycol Ether EB (CAS 111-76-2)	PEL	240 mg/m ³	50 ppm

US ACGIH Threshold Limit Values

<u>Components</u>	<u>Type</u>	<u>Value</u>	
Butane (CAS 106-97-8)	STEL	1000 ppm	
Propane (CAS 74-98-6)	TWA	1000 ppm	Simple asphyxiant
Glycol Ether EB (CAS 111-76-2)	TWA	20ppm	Eye & URT irr

US NIOSH: Pocket Guide to Chemical Hazards

<u>Components</u>	<u>Type</u>	<u>Value</u>
Butane (CAS 106-97-8)	TWA	1000 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls:

Ensure good ventilation of the workstation.

Personal protective equipment:

Gloves. Protective goggles. Protective clothing. Use appropriate personal protective equipment when risk assessment indicates this is necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	Gas
Form	Aerosol. Clear, colorless liquid.
Odor	characteristic
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point/boiling range	212 °F (100 °C) estimated
Flash point	-156.0 °F (-104.4 °C) estimated
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility (water)	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available

Viscosity	Not available
Other information	
Aerosol spray enclosed space	
Deflagration density	300 g/M ³ No ignition
Time equivalent	300 s/m ³ No ignition
Aerosol spray ignition distance	0 No Ignition
Explosive properties	Not explosive
Flame extension	0 in
Oxidizing properties	Not oxidizing
Specific gravity/density	0.989 g/ml estimated

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Upon combustion: CO and CO ₂ are formed.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
Conditions to avoid	Exposure to air.
Incompatible materials	Oxygen. Do not mix with other chemicals. None known.
Hazardous decomposition products	No hazardous decomposition products produced under normal conditions of storage and use.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity	Not classified	
<u>Components</u>	<u>Species</u>	<u>Test Results</u>
Glycol Ether EB (111-76-2)		
LD50 – oral	Rat	1300 mg/kg
LD50 – dermal	Rat	>2000 mg/kg
ATE CLP – oral		1300 mg/kg body weight
ATE CLP – dermal		1100 mg/kg body weight
ATE CLP – dust, mist		1.5 mg/l/4h
Tetrasodium ethylenediaminetetracetate (64-02-8)		
LD50 – oral	Rat	>2000 mg/kg (rat)
ATE CLP – oral		500 mg/kg body weight
Diethylene Glycol Monoethyl Ether (111-90-0)		
LP50 – oral	Rat	1920 mg/kg
Sodium nitrite (7632-00-0)		
ATE CLP – oral		100 mg/kg body weight
Skin corrosion/irritation		Not classified
Serious eye damage irritation		Causes serious eye irritation
Respiratory or skin sensitization		May cause an allergic skin reaction
Germ cell mutagenicity		Not classified
Carcinogenicity		Not classified
Glycol Ether EB (111-76-2)		
IARC group		3 – Not classifiable
Reproductive toxicity		Not classified
Specific target organ toxicity – Single exposure		Not classified
Specific target organ toxicity – repeated exp.		Not classified
Glycol Ether EB (111-76-2)		
NOAEL – oral; 90 days	Rat	See comments
NOAEL – dermal; 90 days	Rat/rabbit	See comments

Aspiration hazard
 Symptoms/effects after inhalation
 Symptoms/effects after skin contact
 Symptoms/effects after eye contact
 Symptoms/effects after ingestion

Not classified
 Irritation of the nasal mucous membranes.
 May cause an allergic skin reaction.
 Causes serious eye irritation.
 Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Likely routes of exposure

Skin and eye contact; inhalation

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.

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
Glycol Ether EB (111-76-2)		
LC50	Fish 1	1474 mg/l Oncorhynchus mykiss
EC50	Daphnia 1	100 mg/l water flea
ErC50	Algae	1840 mg/l Pseudokirchneriella subcapitata
NOEC chronic	Fish	>100 mg/l
NOEC chronic	crustacea	100 mg/l daphnid
Tetrasodium ethylenediaminetetracetate (64-02-8)		
LC50	Fish 1	121 mg/l (96h, Lepomis macrochirus, Literature study)
EC50	Daphnia 1	625 mg/l (25h, Daphnia magna, Literature study)

**Estimates for product may be based on additional component data not shown.*

Persistence and degradability

Tetrasodium ethylenediaminetetracetate (64-02-8)	Not readily biodegradable in water
Biochemical oxygen demand (BOD)	<0.002 g O ₂ /g substance
Chemical oxygen demand (COD)	0.54 – 0.58 O ₂ /g substance

Bioaccumulative potential

Tetrasodium ethylenediaminetetracetate (64-02-8)	Not bioaccumulative.
Log Pow	-2.6

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	Contents under pressure. Do not puncture, incinerate or crush.
Product/Packaging disposal recommendations	Dispose of contents/container in accordance with all applicable regulations.

SECTION 14: TRANSPORT INFORMATION

DOT	This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.	
UN number	UN1950	
UN proper shipping name	Aerosols, flammable (each not exceeding 1 L capacity)	
Transport hazard class(es)		
Class	2.1 Flammable gas 49 CFR 173.115	
Subsidiary Risk	-	
Hazard Label(s)	2.1 – Flammable gas	
Packaging Group	Not applicable	
ERG Code	2L	
DOT Special provisions	N82	
DOT Packaging exceptions	306	
Other information	None	
DOT Passenger aircraft/rail	Allowed with restrictions; 75 kg quantity limitation	

DOT Cargo aircraft only
DOT Vessel stowage location
DOT Vessel Stowage other

Packaging exceptions

Allowed with restrictions; 150 kg quantity limitation
A
25-shade from heat; 87-stow separated from class 1 except division 14, 126 – segregation same as for class 9, miscellaneous hazardous materials
When transported by ground, this product may be eligible to be shipped as a LTD QTY

SECTION 15: REGULATORY INFORMATION

US federal regulations All components of this product are listed, or excluded from listing, on the US EPA TSCA inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372

Glycol Ether EB	CAS-No. 111-76-2	1 – 2.5%
Sodium nitrite	CAS-No. 7632-00-0	0.1 – 1%

Glycol Ether EB (111-76-2) Subject to reporting requirements of the US SARA section 313

Sodium nitrite (7632-00-0) Subject to reporting requirements of the US SARA section 313
CERCLA RQ 100 lb

WARNING: This product can expose you to benzyl chloride, inhibited, which is known to the state of California to cause cancer, and ethylene glycol, which is known to the state of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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