SAFETY DATA SHEET

AMERICAN INDUSTRIES, INC.
WWW.AMERICANINDUSTRIES.COM

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	**PRODUCT NAME:**	**CDG-24**
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	**PRODUCT CODE:**	2516
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	**PRODUCT USE:**	**Asphalt/Tar Remover**
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	**SDS FILE ID:**	2516.01
EMERGENCY PHONE:	**CHEMTREC 1-800-424-9300**	**SDS DATE:**	09-22-2022

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:

Physical	Flammable liquids	3
Health	Skin corrosion/irritation	2
	Aspiration hazard	1
	Skin sensitization	1

Label elements

Signal word: DANGER

Hazard statements: Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction.

Precautionary statements:

Prevention: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving shipment. Uses explosion-proof electrical/ventilation/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling and leave contaminated work clothing at workplace. Wear protective gloves/eye protection/face protection.

Response: If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

Storage: Store in well-ventilate place. Keep cool. Keep locked up.

Disposal: Dispose of contents/container in accordance with local/reginal/national/international regulations.

Supplemental Information: 5% of the mixture consists of component(s) of unknown acute oral toxicity. 33.8% of the mixture consists of component(s) of unknown acute dermal toxicity. 85% of the mixture consists of component(s) of unknown acute inhalation toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	%
Cyclohexene, 1-methyl-4-(1-methylethyenyl)-, (4R)-	5989-27-5	10-20
Alcohols, C11-14-ISO-C13-RICH, Ethoxylated	78330-21-9	1-10
2-Propanol	67-63-0	<1.0
Ethanol, 2, 2'-Oxybix-	111-46-6	<0.5

If not shown above, the chemical identity and/or exact percentages of the above listed components are being withheld as a trade secret (CBI).

SECTION 4: FIRST AID MEASURES

Inhalation	Move victim to fresh air. If symptoms persist, obtain medical attention.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water until all chemical is removed. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with large amounts of water for at least 15 minutes. Remove contacts if present and easy to do. Contact a physician if irritation develops and persists
Ingestion	Contact a physician or poison center immediately Rinse mouth with water. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal 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 under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before use.

SECTION 5: FIRE-FIGHTING MEASURES

Firefighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Extinguishing media	Use water fog, alcohol-resistant foam, dry chemical powder or carbon dioxide.
Unsuitable extinguishing methods	No not used water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
Special protective equipment	Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel
General fire hazards	Flammable liquid and vapor

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: For personal protection, see section 8. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist of vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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. For waste disposal, see section 13 of the SDS. 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

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Storage

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS). Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

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

Components	Type	Value
2-PROPANOL (67-63-0)	PEL	980 mg/m3
		400 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
2-PROPANOL (67-63-0)	STEL	400 ppm
	TWA	200 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
2-PROPANOL (67-63-0)	STEL	1225 mg/m3
		500 ppm
	TWA	980 mg/m3
		400 ppm

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
ETHANOL, 2,2'-0XYBIS- (111-46-6)	TWA	10 mg/m3

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
2-PROPANOL (67-63-0)	40 mg/1	Acetone	Urine	

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) 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 fountain and emergency showers are recommended.

Individual protection measures

The following are recommendations for Personnel Protective Equipment (PPE). The employer/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	Face shield is recommended. Wear safety glasses with side shields (or goggles)
Skin protection	Hand: wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Other: Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Splash Contact	Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break Through Time: 31 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M)
Body Protection	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be select according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke. 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. Contaminated work clothing should not be allowed out of the workplace.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Clear hazy gel
Physical State	Liquid/Gel
Odor	Citrus
Flash point	129^{o}F (54^{o}C)
Initial boiling point and boiling range	237.73^{o}F (114.29^{o}C) estimated
Specific gravity	.97
Density	8.10 lbs/gal ~ 0.97 g/ml
Flammable class	Combustible II estimated
Percent volatile	66.2% estimated
Water solubility	Dispersible with water
Oxidizing properties	Not oxidizing.
Viscosity	Not available
Explosive properties	Not explosive.
VOC	1.2%

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions
Conditions to avoid	Avoid heat, sparks, open flames, and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Reactivity	The product is stable and non-reactive under normal conditions of use, storage, and transport.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition	No hazardous decomposition products are known.
Possibility of hazardous reactions	No dangerous reaction known under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	
Inhalation	Prolonged inhalation may be harmful
Skin Contact	Causes skin irritation. May cause an allergic skin reaction
Eye Contact	Direct contact with eyes may cause temporary irritation
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia
Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash
Information on toxicological effects	
Acute toxicity	May be fatal if swallowed and enters airways

COMPONENTS:	**SPECIES**	**TEST RESULTS**
2-Propanol (CAS 67-63-0)		
Acute: Oral LD 50	Rat	4.7 g/kg

Skin corrosion/irritation	Causes skin irritation
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation
Respiratory or skin sensitization	Not a respiratory sensitizer. May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product o ran components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
IARC Monographs	CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, 3 Not classifiable as to carcinogenicity to humans. (4R)- (CAS 5989-27-5)
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)	Not Regulated
US NTP Report on carcinogens	Not Listed
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity	Single exposure-Not classified Repeated exposure-Not classified
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Prolonged inhalation may be harmful

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.

COMPONENTS:	**SPECIES**	**TEST RESULTS**
2-Propanol (CAS 67-63-0)		
Toxicity to fish LC50	Bluegill (Lepomis macrochirus)	>1400 mg/l, 96 hours
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- (CAS 5989-27-5)		
Toxicity to crustacea EC50	Water flea (Daphnia pulex)	69.6 mg/l, 48 hours
Toxicity to fish LC50	Fathead minnow (Pimephales promelas)	0.619 – 0.796 mg/l, 96 hours
Ethanol, 2.2'-OXYBIS- (CAS 111-46-6)		
Toxicity to fish LC50	Western mosquitofish (Gambusia affinis)	>32000 mg/l, 96 hours

Persistence and degradability: No data available

Bio-accumulative potential	
Partition coefficient n-octanol / Water (log Kow)	2-PROPANOL .005 Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- 4.232
Mobility in soil	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation 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. 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	The waste code should be assigned in discussion between the user, the producer, and the waste disposal company.
Waste from residues/unused product	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. 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 Information	Cleaning Compounds, Non-Hazardous; Not regulated as dangerous godos. UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (4R)-, ALCOHOLS, C11-14-ISO-, C13-RICH, ETHOXYLATED), MARINE POLLUTANT
Transport hazard class / Packing group	9 / III
Marine Pollutant	Yes
	
General Information	IMDG Regulated marine pollutant

SECTION 15: REGULATORY INFORMATION

US federal regulations	This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA, CERCLA, SARA 304, OSHA	Not regulated / Not listed
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
SARA 302	Not listed
SARA 311/312 Hazardous chemical	Yes; Flammable (gases, aerosols, liquids, or solids) Skin corrosión or irritation Respiratory or skin sensitization Aspiration Hazard
SARA 313 (TRI reporting)	Not regulated
Other federal regulations: CAA 112 & 112(r), SDWA	Not regulated
FEMA: 2-Propanol (CAS 67-63-0)	Low priority
US state regulations	
California Proposition 65	
US California Candidate Chemicals List	2-Propanol (CAS 67-63-0)

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