

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	MARKO
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2317
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Graffiti, Stain and Mark Remover
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2317.06
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2021-05-03
		REPLACES VERSION DATED:	2015-05-06- <i>and all prior versions</i>

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification	
Aerosol	Category 1
Gases Under Pressure	Liquefied Gas
Aspiration Hazard	Category 1
Skin Irritation	Category 2
Eye Irritation	Category 2A
Specific Target Organ Toxicity-Single Exposure (Narcotic Effects)	Category 3
Reproductive Toxicity	Category 2
Label elements	



Signal word	DANGER
Hazard statements	H222 - Extremely flammable aerosol. H280 - Contains gas under pressure; may explode if heated. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H361 - Suspected of damaging the unborn child. H336 - May cause drowsiness or dizziness.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves, protective clothing, eye protection and face protection. P264 - Wash hands thoroughly after handling. P261 - Avoid breathing mist, vapors or spray. P271 - Use only outdoors or in a well-ventilated area. P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331 - Do NOT induce vomiting. P308 + P313 - IF exposed or concerned: Get medical attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 - If skin irritation occurs: Get medical attention.
 P362 + P364 - Take off contaminated clothing and wash it before reuse.
 P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
 P403 + P405 - Store in a well-ventilated place. Store locked up.
 P501 - Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Toluene	0000108-88-3	15-24
Propane	0000074-98-6	8-18
Acetone	0000067-64-1	8-17
Diacetone Alcohol	0000123-42-2	2-5
Isoparaffinic Petroleum Distillate	0064742-47-8	2-5
Ethyl Alcohol	0000064-17-5	2-5
Ethoxylated Alcohols (C9-C11)	0068439-46-3	2-5
Confidential polyacrylate	Confidential	.9-2
Quaternary Ammonium CPDS, bis (Hydrogenated Tallow Alkyl) Dimethyl Salt	0068953-58-2	.9-2
Sodium Benzoate	0000532-32-1	.1-2
Morpholine	0000110-91-8	.1-2

SECTION 4: FIRST AID MEASURES

Inhalation	If exposed/feel unwell/concerned: Call a POISON CENTER or doctor. Eliminate all ignition sources if safe to do so. Remove source of exposure or move person to fresh air and keep comfortable for breathing.
Skin contact	Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF exposed or concerned: Get medical advice/attention.
Eye contact	Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.
Ingestion	Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, foam, carbon dioxide. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only. Do not direct a solid stream of water or foam into hot, burning pools. This may result in frothing and increased fire intensity.
Unsuitable extinguishing media	No data available.
Specific hazards arising from the chemical	Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Product is highly flammable and forms explosive mixtures with air, oxygen, and all oxidizing agents. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a build-up of internal pressures. Cool with water. Empty Containers retain product residue which may exhibit hazards of material; therefore do not pressurize, cut, glaze,

weld or use for any other purposes. Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors.

Special protective equipment and precautions for firefighters

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Fire-fighting procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch or walk through spilled material. Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Personal precautions

Avoid breathing vapor. Avoid contact with skin, eye or clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning up

Absorb liquids in vermiculite, dry sand, earth, or similar inert material and deposit in sealed containers for disposal.

Recommended equipment

Wear liquid tight chemical protective clothing in combination with positive pressure self-contained breathing apparatus (SCBA).

SECTION 7: HANDLING AND STORAGE

General

Do not puncture or incinerate (burn) cans. Do not stick pins, nails, or any other sharp objects into opening on top of can. Do not spray in eyes. Do not take internally.

Ventilation Requirements

Use in well-ventilated place.

Conditions for safe storage

Store and use in a cool, dry, well-ventilated area. Do not store above 120°F. See product label for additional information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Component</u>	<u>OSHA TWA (ppm)</u>	<u>OSHA TWA (mg/m3)</u>	<u>OSHA Tables Z1,2,3</u>	<u>NIOSH TWA (ppm)</u>	<u>NIOSH TWA (mg/m3)</u>	<u>NIOSH STEL (ppm)</u>	<u>NIOSH STEL (mg/m3)</u>	<u>ACGIH TWA (ppm)</u>	<u>ACGIH TWA (mg/m3)</u>	<u>ACGIH STEL (ppm)</u>	<u>ACGIH STEL (mg/m3)</u>
Acetone	1000	2400	1	250	590			250		500	
Diacetone Alcohol	50	240	1	50	240			50			
Ethyl Alcohol	1000	1900	1	1000	1900					1000	
Isoparaffinic Petroleum Distillate	500	2000	1					(L)[N159] (L) [N800]		[(L)[N159] (L) [N800]]; [5 (l) [N159]5 (l) [N800]];	
Morpholine	20	70	1	20	70	30	105	20			

<u>Component</u>	ACGIH H Carcin- ogen	ACGIH TLV Basis	ACGIH Notat- ions	OSHA STEL (ppm)	NIOSH Carcin- ogen	OSHA STEL (mg/m 3)	OSHA Carcin- ogen	OSHA Skin desig- nation	See Appendi x F: Minimal Oxygen Content	Simple asphyxi ant (D), explos- ion hazard (EX)
Propane										
Toluene	200 (a)/30 0 ceilin g	0.2	1, 2	100	375	150	560		20	
Acetone	A4	URT & eye irr; CNS impair	A4; BEI							
Diacetone Alcohol		URT & Eye irr								
Ethyl Alcohol	A3									
Isoparaffinic Petroleum Distillate	[A2[N1 59]A2 [N800]]; [A4 [N159] A4 [N800]];	URT irr [N159]URT irr [N800]	[A2[N1 59]A2 [N800]]; [A4 [N159] A4 [N800]]							
Morpholine	A4 Eye dam; URT	A4 Eye dam; URT	A4 Eye dam; URT					1		
Toluene	A4	Visual impair; female repro; pregnancy loss	A4; BEI	500ppm /10 minutes (a)						
Key	(C) - Ceiling limit, (R) - Respirable fraction, A1 - Confirmed Human Carcinogen, A2 - Suspected Human Carcinogen, A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, A4 - Not Classifiable as a Human Carcinogen, BEI - Substances for which there is a Biological Exposure Index or Indices, CNS - Central nervous system, dam - Damage, eff - Effects, impair - Impairment, irr - Irritation, repro - reproductive, URT - Upper respiratory tract									
Eye/face protection	Wear safety glasses with side shields. Eyewash stations and showers should be available in areas where this material is used and stored.									
Skin protection	Use solvent-resistant protective gloves for prolonged or repeated contact.									
Appropriate Engineering Controls	Ventilation should be sufficient to prevent inhalation of any vapors.									
Respiratory protection	Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved air-line respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.									

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Off white liquid

Odor	Pungent
Density	6.79 lb/gal
Density VOC	3.30 lb/gal
% VOC	48.7%

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal storage and handling conditions.
Hazardous Polymerization	Will not occur.
Conditions to avoid	Avoid heat, sparks, flame, high temperature and contact with incompatible materials. Dropping containers may cause bursting.
Hazardous decomposition products	No data available.
Incompatible materials	Avoid strong oxidizers, reducers, acids and alkalis.

SECTION 11: TOXICOLOGICAL INFORMATION

Skin contact	Causes skin irritation.
Eye contact	Causes serious eye damage.
Likely Route of Exposure	Inhalation, ingestion, skin absorption.
Carcinogenicity	No data available.
Germ Cell Mutagenicity	No data available.
Reproductive Toxicity	Suspected of damaging the unborn child.
Specific Target Organ Toxicity-Single Exposure	May cause drowsiness or dizziness.
Specific Target Organ Toxicity-Repeated Exposure	No data available.
Aspiration Hazard	May be fatal if swallowed and enters airways.
Acute Toxicity	No data available.
Potential Health Effects – Miscellaneous	0000067-64-1 ACETONE The following medical conditions may be aggravated by exposure: lung disease, eye disorders, skin disorders. Overexposure may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, respiratory system, skin. 0000108-88-3 TOLUENE Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, kidneys, liver, respiratory system, skin. Can be absorbed through the skin in harmful amounts. Recurrent overexposure may result in liver and kidney injury. High airborne levels have produced irregular heartbeats in animals and occasional palpitations in humans. Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.
Chronic Exposure	0000108-88-3 TOLUENE TERATOGENIC EFFECTS:Toluene has been Classified as POSSIBLE for humans.
0000067-64-1 ACETONE	LC50 (male rat): 30000 ppm (4-hour exposure); cited as 71000 mg/m3 (4-hour exposure) (29) LC50 (male mouse): 18600 ppm (4-hour exposure); cited as 44000 mg/m3 (4-hour exposure) (29) LD50 (oral, female rat): 5800 mg/kg (24) LD50 (oral, mature rat): 6700 mg/kg (cited as 8.5 mL/kg) (31) LD50 (oral, newborn rat): 1750 mg/kg (cited as 2.2 mL/kg) (31) LD50 (oral, mouse): 3000 mg/kg (32,unconfirmed) LD50 (dermal, rabbit): Greater than 16000 mg/kg cited as 20 mL/kg) (30)

0000108-88-3 LC50 (rat): 8800 ppm (4-hour exposure) (2)
 TOLUENE LC50 (rat): 6000 ppm (6-hour exposure) (3)
 LD50 (oral, rat): 2600 to 7500 mg/kg (3,5,11,17)
 LD50 (oral, neonatal rat): less than 870 mg/kg (3)
 LD50 (dermal, rabbit): 12,225 mg/kg (reported as 14.1 ml/kg) (1)

SECTION 12: ECOLOGICAL INFORMATION

Toxicity No data available.
 Persistence and degradability No data available.
 Bioaccumulative potential No data available.
 Mobility in soil No data available.
 Other adverse effects No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14: TRANSPORT INFORMATION

DOT Aerosols, UN1950, Hazard class 2.1; (LTD QTY)

SECTION 15: REGULATORY INFORMATION

COMPONENT	(CAS/PERC)	REGULATION
Toluene	(0000108-88-3) 15-24%	SARA313, CERCLA, HAPS, SARA312, VOC, TSCA, RCRA, ACGIH, California Proposition 65 Developmental
Propane	(0000074-98-6) 8-18%	SARA 312, VOC, TSCA, ACGIH, OSHA
Acetone	(0000067-64-1) 8-17%	CERCLA, SARA 312, TSCA, RCRA, ACGIH, OSHA
Diacetone Alcohol	(0000123-42-2) 2-5%	SARA 312, VOC, TSCA, ACGIH, OSHA
Isoparaffinic Petroleum Distillate	(0064742-47-8) 2-5%	SARA312, TSCA
Ethyl Alcohol	(0000064-17--5) 2-5%	SARA312, VOC,TSCA, ACGIH, OSHA
Ethoxylated Alcohols (C9-C11)	(0000064-17--5) 2-5%	SARA312, VOC,TSCA, ACGIH, OSHA
Confidential polyacrylate	Confidential	SARA312, TSCA
Quarternary Ammonium CPDS, bis (Hydrogenated Tallow Alkyl) Dimethyl Salt	(0068953-58-2) .9-2%	SARA312, TSCA
Sodium Benzoate	(0000532-32-1) .1-2%	SARA312, TSCA
Morpholine	(0000110-91-8) .1-2%	SARA312, VOC,TSCA, ACGIH, OSHA
Quartz	(0014808-60-7) Trace	SARA312, TSCA, ACGIH, California Proposition 65 Cancer
Benzene	(0000071-43-2) Trace	SARA313, CERCLA, HAPS, SARA312, VOC, TSCA, RCRA, ACGIH, California Proposition 65 Cancer - Developmental -Male
Xylene	(0001330-20-7) Trace	SARA313, CERCLA, HAPS, SARA312, VOC, TSCA, RCRA, ACGIH, OSHA
2-Methoxyethanol	(0000109-86-4) Trace	SARA313, CERCLA, HAPS, SARA312, VOC, TSCA, ACGIH, California Proposition 65 Developmental - Male
Ethylenediamine	(0000107-15-3) Trace	CERCLA, SARA312, VOC, TSCA

SECTION 16: OTHER INFORMATION

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

Hazardous Materials Identification System (HMIS)

HMIS-RATING:	
HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
Personal Protection	B

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