

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	GREEN PEEL XTRA
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2396
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Paint and Resin Solvent
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2396.03
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2015-06-01
		REPLACES VERSION DATED:	2012-10-02 and all prior versions

SECTION 2: HAZARDS IDENTIFICATION

Classification	Acute toxicity – Oral	Category 4
	Acute toxicity - Inhalation (Vapors)	Category 4
	Skin corrosion/irritation	Category 3
	Serious eye damage/eye irritation	Category 2A
	Specific target organ toxicity (single exposure, inhalation, respiratory, central nervous)	Category 3
	Flammable Liquids	Category 4
	Reproductive Toxicity	Category 1B

Label elements



Signal word

WARNING

Hazard statement:

HARMFUL IF SWALLOWED HARMFUL IF INHALED Causes mild skin irritation Causes serious eye irritation
May cause respiratory irritation. May cause drowsiness or dizziness.
Combustible liquid
NMP (CAS 872-50-4) is listed in California's Proposition 65 as a reproductive toxicant. It is known by the state of California to cause reproductive harm.
H227 Combustible liquid
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H360D May damage the unborn child
H401 Toxic to Aquatic Life

Precautionary statement

Prevention

P201 Obtain special instructions before use
P210 Keep away from heat, hot surfaces, sparks, open flame
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash hands thoroughly after handling
P271 Use only outdoors or in a well ventilated area
P280 Wear protective gloves, protective clothing, eye protection, face protection

Response

P201 Obtain special instructions before use
P210 Keep away from heat, hot surfaces, sparks, open flame
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash hands thoroughly after handling
P271 Use only outdoors or in a well ventilated area
P280 Wear protective gloves, protective clothing, eye protection, face protection

Storage

P201 Obtain special instructions before use
P210 Keep away from heat, hot surfaces, sparks, open flame
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash hands thoroughly after handling
P271 Use only outdoors or in a well ventilated area
P280 Wear protective gloves, protective clothing, eye protection, face protection

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
N-Methyl-2-pyrrolidinone (NMP)	872-50-4	< 25%
Benzaldehyde	100-52-7	> 25%
Glycol Ethers	Various	< 15%
Petroleum Distillates, hydrotreated light	64742-47-8	< 35%

SECTION 4: FIRST AID MEASURES

General advice	This product is of low acute toxicity. Substance is readily absorbed through the skin. Causes eye and skin irritation. Concentrated vapors may cause severe irritation of the eyes, nose, and respiratory tract. May cause harm to the unborn child. Always observe self-protection methods. Wear appropriate personal protective equipment, avoid direct contact. Remove contaminated shoes and clothing.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable to breathing. Do not leave victim unattended. Immediately seek medical attention. If breathing is difficult, give oxygen. If unconscious, place in recovery position and seek medical advice.
Skin contact	Appears to be readily absorbed through the skin but, no systemic toxicity is expected from acute dermal exposure. Remove contaminated clothing and shoes. In case of contact, immediately flush skin with soap and water. Seek medical attention if ill effect or irritation develops.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	If victim is drowsy or unconscious, place on left side with head down. If victim is conscious and able to swallow, have victim drink water to dilute. Never give anything by mouth if victim is unconscious or having convulsions. This product poses a possible lung aspiration hazard if ingested. Induce vomiting only if advised by physician or Poison Control Center. If vomiting does occur, have victim lean forward to reduce risk of aspiration. Call a physician or Poison Control Center immediately.
Notes to physician	
Hazards	If victim is drowsy or unconscious, place on left side with head down. If victim is conscious and able to swallow, have victim drink water to dilute. Never give anything by mouth if victim is unconscious or having convulsions. This product poses a possible lung aspiration hazard if ingested. Induce vomiting only if advised by physician or Poison Control Center. If vomiting does occur, have victim lean forward to reduce risk of aspiration. Call a physician or Poison Control Center immediately.
Treatment	Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. There is no specific antidote. Potential danger from aspiration must be weighed against possible oral toxicity when deciding to induce vomiting.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable properties	Flash Point: >70°C (158°F) Flammability Classification: combustible liquid class IIIA
Suitable extinguishing media	Small Fire: Use CO2, dry chemical, water spray or foam.
Unsuitable extinguishing media	Large Fire: Use water spray, water fog, or foam. Do not use straight streams.
Specific hazards arising from the chemical	When heated above the flash point, releases flammable vapors. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air. Vapors may travel long distances along the ground before igniting and flashing back to vapor source. Fine sprays and mists may be combustible at temperatures below normal flash point. Move containers from fire area if it can be done without risk. Heat may build enough pressure to rupture closed containers. Cool containers with flooding quantities of water. Withdraw immediately in case of rising sound from venting. Do not allow run off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment and precautions for firefighters	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighter's protective clothing will only provide limited protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Clean up to be performed only by trained properly equipped personnel. Wear recommended personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions	Prevent entry into waterways, sewers, basements, or confined areas. If the product contaminates rivers and lakes or drains inform respective authorities. If necessary, all contaminated waste water must be treated in a municipal or industrial wastewater treatment plant before release to surface water. Chemical removal by air and water pollution control devices must meet the minimum efficiency requirements needed to reduce exposure to an acceptable level. External treatment and disposal of waste should comply with applicable local and/or national regulations
Methods and materials for containment and cleaning up	Combustible Liquid. Eliminate all sources of ignition. All equipment used when handling this product must be grounded. Do not touch or walk through spilled material. Stop leak if it can be done without risk. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. Dike large spills and place materials in salvage containers. Water spray may reduce vapor, but may not prevent ignition in closed spaces. Treat all waste as hazardous and dispose using licensed waste removal company.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Use only in an area provided with appropriate exhaust ventilation. Handle empty containers with care – residue may be combustible. Keep container tightly closed when not in use. Keep away from heat and sources of ignition. Wear recommended personal protective equipment. Avoid contact with incompatible agents. Observe precautions pertaining to confined space entry.
Requirements for storage areas and containers	Mild or stainless steel, HDPE. Store away from heat, ignition sources, and strong oxidizing agents. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Ingredients with workplace control parameters: Consult local authorities for acceptable exposure limits.

Biological Exposure Indices

<u>Components</u>	<u>CAS No.</u>	<u>Control Parameter</u>	<u>Biological Specimen</u>	<u>Sampling Time</u>	<u>Concentration</u>	<u>Basis</u>
N-Methyl Pyrrolidone	872-50-4	5-Hydroxy-N-methyl-2-pyrrolidone	Urine	end of shift	100 mg/l	ACGIH BEIS

Exposure Controls

Engineering measures At elevated temperatures, special ventilation may be required even if the flash point has not been exceeded. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Personal protective equipment:

Eye/face protection	Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to splashing/spraying liquid, airborne particles, or vapor.
Skin and body protection	When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head, and face protection should be worn. Use PPE that is chemical resistant to the product and prevents skin contact (butyl rubber).
Respiratory protection	No occupational exposure limits have been developed for this material. When workers are facing concentrations above the exposure limit they must use appropriately certified solvent filter masks.
General hygiene	Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards/potential hazards that may be encountered. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Wash hands before eating, drinking, smoking, or using toilet facilities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clean to light yellow
Odor	Fruity aroma
Odor threshold	Not applicable
pH	6 to 7
Molecular weight	Weighted average 171.56 g/mole
Melting point/freezing point	Approximately -24° C (-11.2°F)
Boiling point/boiling range	>179°C (395.6°F)
Flash point	>100°C (212°F)
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.040 (Water = 1)
VOC content	645 gms/liter
Solubility	Miscible with Castor Oil. Miscible with water, lower alcohols, ketones, ethyl acetate, chloroform and benzene. Moderately soluble in aliphatic hydrocarbons and dissolves many organic and inorganic compounds.
Oxidizing properties	This mixture is not classified as oxidizing.
Other properties	Hygroscopic

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	In contact with moisture, this hygroscopic material may degrade or become contaminated. Heat, sparks, open flame, other ignition sources, and oxidizing conditions.
Materials to avoid	Strong oxidizing agents. Strong reducing agents. Moisture and humidity. Acidic solutions of alkali bromides.
Hazardous decomposition products	Carbon monoxide and nitrogen oxide fumes emitted when heated to decomposition.
Thermal decomposition	Incomplete combustion may produce carbon monoxide, oxides, or compounds of nitrogen and other toxic gases.
Hazardous reactions	Stable. Not expected to occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Ingestion	Not classified. Ingestion may cause discomfort and irritation of the gastrointestinal tract.
Inhalation	No data available.
Skin contact	Not classified. May cause mild skin irritation.
Eye contact	Not classified. May cause serious eye irritation.

<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>
BENZALDEHYDE SYNTHETIC (D.E.A.) 100-52-7	= 1,292 mg/kg (Rat)	> 1,250 mg/kg (Rabbit)	-
N-Methyl Pyrrolidone 872-50-4	= 4,150 mg/kg (Rat)	>5,000 mg/kg (Rat)	>5.1mg/l (Rat) Exp time 4 hrs

Information on toxicological effects:

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Sensitization	Not Classified. No adverse effect observed.
Germ cell mutagenicity	No information available.
Carcinogenicity	Not Classified. This product has had a positive finding in a carcinogenic investigation. The findings do not appear to be relevant to classification due to the non-genotoxic mechanism and the species sensitivity to the liver tumors observed.
Reproductive toxicity	Not classified as to effects on fertility – no adverse effects observed. Classified as to effects on development – May damage the unborn child.
STOT – single exposure	Classified – May cause respiratory irritation.
STOT – repeated exposure	Not Classified based on repeated exposure toxicity values.
Aspiration hazard	Classified Category 1 for Mineral Seal Oil content.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No information available. This mixture consists of components of unknown hazards to the aquatic environment.	
<u>Chemical name</u>	<u>Fish</u>	<u>Crustacea</u>
Petroleum Distillates 64742-47-8	2.9 ml/l Oncorhynchus mykiss (LC50 96hr)	
BENZALDEHYDE SYNTHETIC (D.E.A.) 100-52-7	10.6 - 11.8: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 12.69: 96 h Oncorhynchus mykiss mg/L LC50 static 0.8 - 1.44: 96 h Lepomis macrochirus mg/L LC50 flow-through 7.5: 96 h Lepomis macrochirus mg/L LC50 static 6.8 - 8.53: 96 h Pimephales promelas mg/L LC50 flow-through	50: 24 h Daphnia magna mg/L EC50
Persistence and degradability	Readily biodegradable.	
Bioaccumulative potential	Not expected to bioaccumulate in aquatic organisms.	
Partition coefficient:		
BENZALDEHYDE SYNTHETIC (D.E.A.) 100-52-7	1:48	
Other adverse effects	No additional information available.	

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of wastes	Disposal should be in accordance with applicable local, regional, and national laws and regulations. The product should not be allowed to enter drains, water courses, or the soil. Incinerate concentrated liquids in compliance with local, state, and international regulations. Comply with applicable local, state, national, and international regulations concerning solid or hazardous waste disposal and/or container disposal.
Contaminated packaging	Empty remaining contents. Dispose of as unused products. Do not reuse empty containers. Do not burn, or use cutting torch on empty container.

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated	IMDG: Not regulated
UN/ID no.	Not applicable
Proper shipping name	Combustible Liquid
Hazard Class	CL
Packaging group	III

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

N-Methyl Pyrrolidone 872-50-4 is classified as an Immediate (Acute) Health Hazard and Fire Hazard under SARA Section 311/312.

Petroleum Distillates 64742-47-8 is classified as an immediate (Acute) Health Hazard and Fire Hazard under SARA Section 311/312.

SARA 302/304

This product contains no known chemicals regulated under SARA 302/304.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

OSHA

Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

US State Regulations

California Proposition 65

This product contains material known by the State of California to be a developmental toxin under Proposition 65.

Other

Pennsylvania RTK: N-Methyl-2-pyrrolidone and Petroleum Distillates, Hydrotreated Light (CAS 64742-47-8), Minnesota: N-Methyl-2-pyrrolidone, Massachusetts RTK: N-Methyl-2-pyrrolidone and Petroleum Distillates, Hydrotreated Light (CAS 64742-47-8), New Jersey RTK: N-Methyl-2-pyrrolidone and Petroleum Distillates, Hydrotreated Light (CAS 64742-47-8), New Jersey spill list: N-Methyl-2-pyrrolidone

International Inventories (Component materials)

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

(LEGEND):

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS [®] RATING:	
HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0

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