SAFETY DATA SHEET

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name PRO-935 R-35® Adhesion Promoting Wallcovering Primer

Recommended use of the chemical and restrictions on use

Application Primer.

Uses advised against Use only for intended applications.

Details of the supplier of the safety data sheet

Supplier

Roman Products, LLC
824 State Street
Calumet City, IL
60409
United States
Tel: 708-891-0770
Fax: 708-891-4746
technicalhelp@romandec.com

Emergency telephone number

Emergency telephone Tel: 708-891-0770

2. Hazard(s) identification

Classification of the substance or mixture

OSHA Regulatory Status This Product is Not Hazardous under the OSHA Hazard Communication Standard.

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Aquatic Acute 3 - H402

Label elements

Hazard statements H402 Harmful to aquatic life.

Precautionary statements P273 Avoid release to the environment.
P501 Dispose of contents/ container in accordance with national regulations.

Other hazards

None known.

3. Composition/information on ingredients

Mixtures

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

Ammonia	**0.025 - <0.25%**
CAS number: 1336-21-6 M factor (Acute) = 1	

Classification
Skin Corr. 1B - H314
Eye Dam. 1 - H318
STOT SE 3 - H335
Aquatic Acute 1 - H400

Toluene	**0.025 - <0.25%**
CAS number: 108-88-3	

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
Repr. 2 - H361d
STOT SE 3 - H336
STOT RE 2 - H373
Asp. Tox. 1 - H304
Aquatic Chronic 3 - H412

The full text for all hazard statements is displayed in Section 16.

Ingredient notes The exact percentage/concentration is withheld as a trade secret in accordance with 29 CFR 1910.1200.

4. First-aid measures

Description of first aid measures

General information Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

Skin Contact It is important to remove the substance from the skin immediately. Remove contamination with soap and water or recognized skin cleansing agent. In the event of any sensitization symptoms developing, ensure further exposure is avoided. Get medical attention if symptoms are severe or persist after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation No specific symptoms known.

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin contact	May be slightly irritating to skin. The product contains a small amount of sensitizing substance. May cause skin sensitization or allergic reactions in sensitive individuals.
Eye contact	May be slightly irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically. May cause sensitization or allergic reactions in sensitive individuals.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors. Oxides of carbon. Oxides of nitrogen.

Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate area. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors. Do not touch or walk into spilled material.

Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. The contaminated absorbent may pose the same hazard as the spilled material. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Do not handle until all safety precautions have been read and understood. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas. Use only when the room temperature is above: 60 °F. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions Store away from incompatible materials (see Section 10). Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Store in tightly-closed, original container in a dry and cool place. Do not freeze. Keep containers upright. Protect containers from damage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

Toluene

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm 75 mg/m³
A4
Long-term exposure limit (8-hour TWA): OSHA 200 ppm
Ceiling exposure limit: OSHA 300 ppm

ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.
OSHA = Occupational Safety and Health Administration.

Ingredient comments The constituents listed are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.
The product contains no other substances classified as hazardous to health by an OEL value in concentrations which should be taken into account.

Toluene (CAS: 108-88-3)

Immediate danger to life and health 500 ppm

Exposure controls

Appropriate engineering controls Provide adequate ventilation.

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.
Other skin and body protection	Wear appropriate clothing to prevent skin contamination.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn. Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved.
Environmental exposure controls	Keep container tightly sealed when not in use. Avoid release to the environment.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid.
Color	Milky.
Odor	Mild.
Odor threshold	No data available.
pH	9.3
Melting point	0°C/32°F
Initial boiling point and range	100°C/212°F
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	1.02
Solubility(ies)	Miscible with water.
Partition coefficient	No data available.
Auto-ignition temperature	No data available.
Decomposition Temperature	No data available.

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

Viscosity	1600 cP
Explosive properties	No data available.
Oxidizing properties	No data available.
Volatile organic compound	0.25%

10. Stability and reactivity

Reactivity	See the other subsections of this section for further details.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	Avoid freezing. Avoid exposure to high temperatures or direct sunlight.
Materials to avoid	Do not mix with other chemicals. Avoid contact with acids and alkalis.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors. Oxides of carbon. Oxides of nitrogen.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data	Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met.

Respiratory sensitization

Respiratory sensitization	Based on available data the classification criteria are not met.

Skin sensitization

Summary	The product contains a small amount of sensitizing substance. May cause skin sensitization or allergic reactions in sensitive individuals.
Skin sensitization	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

IARC carcinogenicity	Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known. May cause discomfort if swallowed.
Skin Contact	May be slightly irritating to skin. The product contains a small amount of sensitizing substance. May cause skin sensitization or allergic reactions in sensitive individuals.
Eye contact	May be slightly irritating to eyes.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target Organs	No specific target organs known.
Medical considerations	Skin disorders and allergies.

12. Ecological information

Toxicity	Harmful to aquatic life.

Ecological information on ingredients.

Ammonia

Toxicity	Aquatic Acute 1 - H400 Very toxic to aquatic life.

Acute aquatic toxicity

LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 11 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	LC_{50}, 48 hours: 25.4 mg/l, Daphnia magna

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	NOEC, 61 days: 1.2 mg/l, Oncorhynchus gorbuscha

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

3-Iodo-2-propynyl butylcarbamate

Toxicity	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	
LE(C)$_{50}$	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity - aquatic invertebrates	LC_{50}, 48 hours: 0.645 ppm, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 0.022 mg/l, Desmodesmus subspicatus
Chronic aquatic toxicity	
NOEC	0.001 < NOEC ≤ 0.01
Degradability	Rapidly degradable
M factor (Chronic)	1
Chronic toxicity - fish early life stage	NOEC, 35 days: 0.0084 mg/l, Pimephales promelas (Fat-head Minnow)
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.0499 mg/l, Daphnia magna

Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.

Ammonia

Persistence and degradability	The degradability of the product is not known.

3-Iodo-2-propynyl butylcarbamate

Persistence and degradability	The product is readily biodegradable.
Stability (hydrolysis)	pH7 - Half-life : 139 days @ 25°C
Biodegradation	Water - DT_{50} : 3.3 hours

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

Partition coefficient No data available.

Ecological information on ingredients.

Ammonia

Bio-Accumulative Potential	The product is not bioaccumulating.

3-Iodo-2-propynyl butylcarbamate

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

Bio-Accumulative Potential log Kow: 2.81, Fish Estimated value.

Partition coefficient log Pow: 2.81

Mobility in soil

Mobility The product is water-soluble and may spread in water systems.

Ecological information on ingredients.

Ammonia

Mobility Mobile.

3-Iodo-2-propynyl butylcarbamate

Mobility Mobile.

Adsorption/desorption coefficient Soil - Koc: 61 - 309 @ 22°C

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

Waste treatment methods

General information The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods Do not empty into drains. Dispose of contents/container in accordance with national regulations.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN Number

UN No. (International) Not applicable.

UN No. (DOT) Not applicable.

UN proper shipping name

Proper shipping name (International) Not applicable.

Proper shipping name (DOT) Not applicable.

Transport hazard class(es)

Transport Labels (International) No transport warning sign required.

DOT transport labels

No transport warning sign required.

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

Packing group

Packing group (International) Not applicable.

DOT packing group Not applicable.

Environmental hazards

Environmentally Hazardous Substance
No.

Special precautions for user

Not applicable.

DOT reportable quantity Not applicable.

DOT TIH Zone Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

Regulatory References OSHA Hazard Communication Standard 29 CFR §1910.1200

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
The following ingredients are listed:

Ethyl acrylate
Final CERCLA RQ: 1000(454) pounds (Kilograms)

Toluene
Final CERCLA RQ: 1000(454) pounds (Kilograms)

Ammonia
Final CERCLA RQ: 1000(454) pounds (Kilograms)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed.

SARA 313 Emission Reporting
The following ingredients are listed:

3-Iodo-2-propynyl butylcarbamate
1.0 %

2,2-Dibromo-2-cyanoacetamide
1.0 %

Ethyl acrylate
0.1 %

Toluene
1.0 %

Ammonia
1.0 %

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

Amorphous silica
1.0 %

CAA Accidental Release Prevention
None of the ingredients are listed.

OSHA Highly Hazardous Chemicals
None of the ingredients are listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
The following ingredients are listed:

Ethyl acrylate
Carcinogen.

Toluene
Developmental toxin.

California Air Toxics "Hot Spots" (A-I)
The following ingredients are listed:

Ethyl acrylate

Toluene

California Air Toxics "Hot Spots" (A-II)
None of the ingredients are listed.

California Directors List of Hazardous Substances
The following ingredients are listed:

Ethyl acrylate

Toluene

Ammonia

Amorphous silica

Massachusetts "Right To Know" List
The following ingredients are listed:

Ethyl acrylate

Toluene

Ammonia

Amorphous silica

Rhode Island "Right To Know" List
The following ingredients are listed:

Ethyl acrylate

Toluene

Minnesota "Right To Know" List
The following ingredients are listed:

Ethyl acrylate

Toluene

Amorphous silica

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

New Jersey "Right To Know" List
The following ingredients are listed:

3-Iodo-2-propynyl butylcarbamate

2,2-Dibromo-2-cyanoacetamide

Ethyl acrylate

Toluene

Ammonia

Pennsylvania "Right To Know" List
The following ingredients are listed:

Ethyl acrylate

Toluene

Ammonia

Proprietary polymer

Amorphous silica

Inventories

US - TSCA
All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification
None of the ingredients are listed or exempt.

16. Other information

Abbreviations and acronyms used in the safety data sheet	ATE: Acute Toxicity Estimate. IATA: International Air Transport Association. ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. LC_{50}: Lethal Concentration to 50 % of a test population. LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. BCF: Bioconcentration Factor. EC_{50}: 50% of maximal Effective Concentration. NOEC: No Observed Effect Concentration. NOAEL: No Observed Adverse Effect Level.
Training advice	Read and follow manufacturer's recommendations.
Revision comments	This is the first issue.
Revision date	8/9/2018
SDS No.	7600

PRO-935 R-35® Adhesion Promoting Wallcovering Primer

Hazard statements in full

H225 Highly flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H402 Harmful to aquatic life.
H412 Harmful to aquatic life with long lasting effects.