



ADVANCED POLYMER, INC.

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API-195

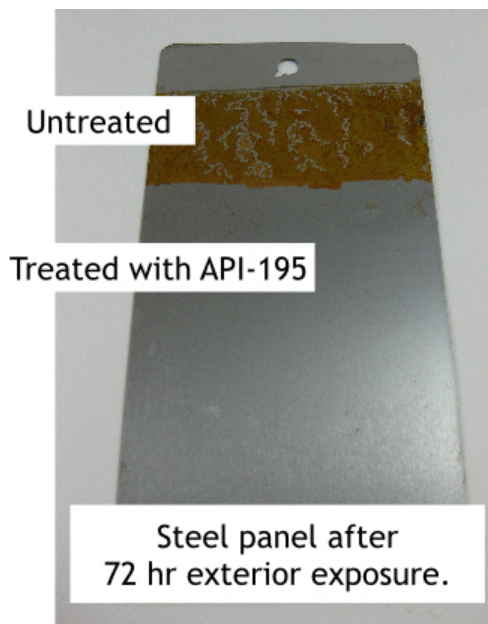
API-195 is waterborne, air-dry, polymer emulsion that imparts a clear, glossy, removable barrier coating to a wide range of surfaces including bare metals (aluminum, steel, brass, copper, etc.), painted metal, fiberglass and glass. API-195 provides a durable, protective finish that resists corrosion, rust, pitting, soiling and abrasion. API-195 is easily removed with a specially designed alkaline cleaning solution—API-CL95.

CHARACTERISTICS

- Water-based, air dry.
- Protects bare or painted metal, fiberglass and glass.
- Resists corrosion from acid rain, salt spray and other harsh environments.
- Protects against dust, dirt, grease, oil and abrasion.
- Withstands extremes of temperature and moisture.

SUGGESTED USES

- Temporary protective coating for bare metal surfaces during shipping, handling and storage.
- Removable protective coating for OEM painted metal surfaces during shipping, storage and assembly.
- Aftermarket protection of automotive surfaces such as wheel rims and wheel covers.
- Removable, salt spray resistant coating for marine bright work.



TYPICAL PROPERTIES

| | |
|-----------------|------------------------|
| Appearance: | Translucent dispersion |
| pH: | 8.0 |
| Solids content: | 22% |
| Density (25°C): | 1.01 g/ml |

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FORMULATION GUIDELINES

For best results and improved film formation, we recommend the addition of a coalescent such as Glycol Ether EB and a wetting agent (APFS-14). We also recommend the addition of a defoamer, such as Foamaster AP (Henkel Corp.), which has good persistence and provides good defoaming even under vigorous brushing or spraying. For long term storage, an in can preservative such as Proxel GXL (Arch Chemicals) is recommended.

TYPICAL FORMULATIONS

| Thick Film Barrier Coating | | |
|----------------------------|------------|-------------|
| Materials | Pounds | % by Weight |
| API-195 | 430.4 | 97.6 |
| APFS-14 | 0.5 | 0.1 |
| Glycol Ether EB | 8.8 | 2.0 |
| Foamaster AP | 1.3 | 0.3 |
| Total | 441 | 100 |

| Thin Film Barrier Coating | | |
|---------------------------|------------|-------------|
| Materials | Pounds | % by Weight |
| Water | 220.5 | 50.0 |
| API-195 | 214.3 | 48.6 |
| APFS-14 | 0.5 | 0.1 |
| Glycol Ether EB | 4.4 | 1.0 |
| Foamaster AP | 1.3 | 0.3 |
| Total | 441 | 100 |

APPLICATION

- The surface to be treated should be free from surface contamination.
- Apply a thin coating via brush, roller or pump spray. **Do not aerosolize or atomize this product.**
- API-195 dries in 1-2 hours depending on coating thickness and environmental conditions.
- Surfaces treated with API-195 are easily cleaned using API-CL95 (see technical data sheet for additional information). This alkaline solution will remove both the API-195 and any contaminants adhered to the coating.
- API-195 can be reapplied to cleaned surfaces if desired.

PACKAGING

API-195 is available in 8 oz samples and 450 lb drums.

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I want to know more!

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You may also be interested in . . .

- API-CL95

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Revised June 3, 2011

API-195

Section I Product Identity

| | |
|--|-----------------------------|
| Product Name | API-195 |
| Chemical Name/Family | Waterborne polymer emulsion |
| CAS Registry | Mixture |
| 24 Hour Emergency Number | 800-424-9300 |
| 24 Hour Chemtrec Number | 800-424-9300 |
| All ingredients are listed in EPA's TSCA list of chemical substances | |

Section II Hazardous Components/Composition Information

| CHEMICAL : | CAS #: | USOS: | TWA: | STEL: | PERCENT: |
|------------|--------|-------|------|-------|----------|
| | | | | | |

Section III Physical and Chemical Properties

| | |
|---------------------------------------|---|
| Boiling Point | ~212°F |
| Specific Gravity (H ₂ O=1) | 1.01 |
| pH | 7.5 – 8.5 |
| Vapor Pressure | NA |
| Vapor Density (Air=1) | NA |
| Evaporation Rate (Water = 1) | ~1 |
| Solubility in Water | Miscible |
| Appearance and Odor | Milky white dispersion with mild acrylic odor |

Section IV Fire and Explosion Hazard Data

| | |
|---------------------------------------|--|
| Flash Point (Method Used) | No flashpoint below boiling point |
| Flammable Limits in Air (% By Volume) | NA |
| Extinguishing Media | Water spray, foam, dry chemical of CO ₂ |
| Special Fire Fighting Procedures: | Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment |
| Unusual Fire and Explosion Hazard | The following maybe released if heating above 200°C or in a fire situation: oxides of carbon and nitrogen. |

Section V Reactivity Data

| | |
|--|--|
| Stability | Stable |
| Conditions to Avoid | None with proper storing and handling |
| Incompatibilities | Oxidizing materials |
| Hazardous Decomposition or By Products | Combustion may produce oxides of carbon and nitrogen |
| Hazardous Polymerization | May Not Occur |

Section VI Health hazard Data

| | | | |
|-------------------------|--------------------------|--------------------|----------------|
| Primary Routes of Entry | Inhalation: Yes | Dermal: Yes | Ingestion: Yes |
| Acute Health hazard | No information available | | |
| Chronic Health Hazard | No information available | | |
| Carcinogenicity | No information available | | |
| NTP: No | IARC Monograph: No | OSHA Regulated: No | |

Signs and Symptoms of Exposure:

| | |
|--------------|--|
| Skin Contact | May cause irritation |
| Eye Contact | May cause irritation |
| Ingestion | Although ingestion is unlikely, liquid would irritate upper digestive tract if swallowed. |
| Inhalation | Exposure to high vapor concentrations may cause respiratory tract irritation, headache, dizziness, nausea, loss of coordination, drowsiness and loss of consciousness. Irritation of lungs possible if mists/aerosols are inhaled. |

Medical Condition Generally Aggravated by Exposure

Gastrointestinal irritation (nausea, vomiting, diarrhea), and/or irritation to skin, eyes, nose, throat, and respiratory tract

Emergency First Aid Procedures

| | |
|------------|--|
| Eyes | Immediately flush eyes with plenty of water. Seek medical attention. |
| Skin | Immediately wash skin with soap and water. Wash contaminated clothing before reuse. |
| Ingestion | Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician. |
| Inhalation | Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Please note: Symptoms may be delayed, prompt medical attention may be required. Call a physician. |

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case the Material is Released or Spilled:

Soak up with sawdust, sand, oil dry or other absorbent material.

Waste Disposal Method:

Dispose of according to EPA, State and Local regulations.

Section VIII Special Precautions

Precautions to be Taken in Handling and Storage:

Handling: Handle and open containers with care. Do not handle near an open flame, heat, or other source of ignition.

Storage: Store in a cool, well ventilated place away from incompatible materials. Do not store near an open flame, heat or other source of ignition. Protect from direct sunlight. *****Agitate contents of container before using.*****

Section IX Control Measures

| | | |
|----------------------------|--|-----------------------------|
| Respiratory Protection | NIOSH approved respirator for vapor concentrations above exposure limits | |
| Ventilation | Local exhaust | Required |
| | Mechanical | Adequate ventilation system |
| | Special | |
| | Other | |
| Eye Protection | Safety glasses, goggles and/or face shields should be worn | |
| Protective Gloves | Rubber or plastic gloves should be worn | |
| Protective Clothing | Rubber apron | |
| Other Protective Equipment | Safety shower and eyewash station | |
| Other Precautions | Wash hands after use. | |

Section X SARA Title III

SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of SECTION 313 of the EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 and of 40 CFR 371

| CAS # | Chemical Name | Percent by Weight |
|-------|---------------|-------------------|
| | | |

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL

Section XI Transportation Information

SHIPPING INFORMATION

API-195 is classified non-hazardous and is not regulated by DOT.

Hazard Ratings

| | |
|--------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |

Date Prepared August 30, 2004

Prepared By API

Date Revised May 31, 2011

Revised By API

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