

## 5 STAR ADVANTAGE® AUTOBODY PRODUCTS

### TECHNICAL DATA INFORMATION

**DATED: FEBRUARY 2021**

#### PRODUCT DESCRIPTION – NATIONAL RULE

#59007-1	PREMIUM ADHESION PROMOTER	GALLON	4/CS
#59007-4	PREMIUM ADHESION PROMOTER	QUART	4/CS

#### DESCRIPTION:

#59007 PREMIUM ADHESION PROMOTER is an all-purpose clear coating that improves adhesion of Enamel, Lacquer, 2K Urethane and Epoxy topcoats to nearly any difficult-to-coat surface. It is fast drying and provides superior adhesion on all flexible and rigid parts without scuffing.

#### Top Features:

- Wide range of approved substrates, with perfect adhesion scores using ASTM D3359.
- No scuffing required on most substrates. Scuffing is however recommended for large areas and will ensure maximum adhesion.
- Can be topcoated within 10 mins.

#### APPROVED SUBSTRATES (no scuffing):

TPO Plastics (Automotive Bumpers)	Plate Glass
Polished Aluminum	Tempered Glass
Polished Steel	Polished Copper
Polished Stainless Steel	Polished Brass
Polished Tin	Plexiglass
Galvanized Steel	ABS Plastic

#### \* Best Results if Scuffed:

- |          |            |
|----------|------------|
| * Chrome | * PVC Pipe |
|----------|------------|

***For consistent results and added adhesion across larger surfaces, scuff surface with Scotch Brite or Sandpaper.***

**IMPORTANT:** Spray a test panel first with your substrate, primer, color and topcoat system to ensure proper adhesion of 2K Urethane, Epoxy, Enamel and Lacquer topcoats. Other topcoat systems may be suitable, in all cases the complete system should be tested using ASTM D3359 cross hatch test method to ensure proper adhesion. Variations in solvents blends, speed of cure and substrate properties can yield unpredictable results which can only be determined using cross hatch testing for your specific system and substrate - D3359.

#### INDUSTRIES:



**DIRECTIONS:**

(1.) Surface must be clean, dry and free of rust before painting. Protect surrounding areas from spray mist. \*\* Do not apply when surface or air temps are below. 60°F.

(2.) Apply 1 to 2 coats, additional coats are not needed and could result in reduced adhesion characteristics. #59007 is purposely water thin, to ensure that a very thin film is applied.

(3.) Can be topcoated within 10 mins (75°F)

After 24 hours, surface should be scuffed and re-applied. \*\* Do not apply when surface or air temps are below. 60°F.

**GUN SET UP:**

<u>Conventional spray cap:</u>		<u>Air Pressure at cap:</u>	
Gravity Feed	1.2 mm – 1.3 mm	Gravity Feed	30 – 40 psi
Siphon Feed	1.2 mm – 1.3 mm	Siphon Feed	35 – 45 psi
		HVLP	8 – 10 psi

**TOPCOAT SUGGESTIONS:**

Topcoats can vary significantly and should be tested to ensure good intercoat adhesion. Solvent based 2K Urethanes, Epoxies, Enamels and Lacquers should work well but should be tested as part of a complete system. Water based topcoats may work but have not been tested and must be tested by the user to confirm proper intercoat adhesion prior to using.

**TYPICAL PROPERTIES:**

Physical State	Liquid
Odor	Typical Paint Odor
pH	N/A
Boiling Point	131°F – 300°F
Flammability	HMIS Code: 3 Highly Flammable
Health	HMIS Code: 2
Reactivity	HMIS Code: 0
Personal Protection	HMIS Code: G
VOC as Packaged	833 G/L (7.0 lbs/gal)
HAP's as Packaged	833 G/L (7.0 lbs/gal)
Density	7.49 lbs/gal
Shelf Life	Unopened 2 years, after opening 1-3 months in a sealed container depending on temperature and humidity.
Pot Life	1-3 months in a sealed container depending on temperature and humidity. If the product is opened when relative humidity is in excess of 15%, putting a Nitrogen blanket on remaining material will extend the Shelf Life/Pot Life. If the viscosity increases beyond water thin, the product is likely beyond shelf life/pot life and should be properly discarded. If the viscosity has increased, the product can be reduced with Methyl Acetate and tested to confirm that proper adhesion is obtained. If the product has gelled, it is definitely beyond Shelf Life/Pot Life.
Prop 65 substances	No
Color	Water White to Hazy
Shipping Classification	UN1263, Paint, Class 3, PG II

**CLEANUP:**

Clean spray equipment with appropriate cleaning materials compliant with VOC regulations in your area. Urethane Reducer, Lacquer Thinner or Zero VOC solvents.

**STORAGE:**

CONTROLLED ENVIRONMENT / KEEP CONTAINER TIGHTLY CLOSED AND UPRIGHT TO PREVENT LEAKAGE.

Storage temperature should be between 50 and 80F related to the 2 year shelf life. Storing in temperatures outside of this range will significantly reduce (>50%) shelf life.

\*\* If subjected to temperatures below 50°F, #59007 will turn cloudy/hazy after it has been frozen, this will not affect product performance. Warm the product up to above 60°F and it will be ready for use. If subjected to temperatures below 0°F #59007 can freeze. DO NOT stir or mix until completely thawed, mixing while partially thawed will result in product separation and material should then be properly DISCARDED according to local, state and federal rules and regulations.

**DISCLAIMER:**

The information supplied in this document is for guidance only and should not be construed as a warranty. All users of the materials are responsible for assuring that it is suitable for their needs, environment and use. All data subject to change as 5 STAR ADVANTAGE® deems appropriate. No warranty, expressed or implied, is intended or given by the information on this sheet.

Users should review the Safety Data Sheet (SDS) and product label to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material.

**SAFETY INFORMATION - FOR INDUSTRY/PROFESSIONAL USE ONLY**

**PHYSICAL APPEARANCE :** Liquid

**PRODUCT CATEGORY :** Specialty Coatings

**DANGER! Flammable liquid and vapor. May cause eye, skin and respiratory tract irritation. May cause asphyxiation, or brain, lung or other organ injury if inhaled, swallowed or absorbed by the skin. HAZARDOUS WARNING LABEL: DANGER!**

**FLAMMABLES! Highly flammable liquid and vapour. USE ONLY WITH ADEQUATE VENTILATION TO PREVENT BUILDUP OF VAPORS.**

Harmful if swallowed. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness and dizziness. May cause damage to organs through prolonged or repeated exposure.

**PRECAUTIONARY STATEMENTS:** Use personal protective equipment as required. Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only nonsparking tools. Take precautionary measures against static discharge. Keep container tightly closed.

Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace. **POTENTIAL HEALTH**

**EFFECTS - EYES :** Liquid is severely irritating to the eyes. High vapor concentrations are also irritating. **SKIN :** Liquid is moderately irritating to the skin. Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash). Liquid may be

absorbed through the skin. **INGESTION** : Ingestion may cause headache, dizziness, fatigue, and central nervous system depression along with gastrointestinal disturbances. **INHALATION** : Vapors may be irritating to the nose, throat, and respiratory tract. Exposure to high vapor concentrations may cause central nervous system (CNS) depression. Aspiration of liquid may cause pneumonitis, pulmonary edema, and hemorrhaging. **CHRONIC** : No chronic health concerns known. **CARCINOGENICITY** : This material is not currently known to have carcinogenic properties. **MUTAGENICITY** : This material is not known to have mutagenic effects on genetic material. **IRRITANCY**: This material may cause irritation to the eyes, skin, and respiratory tract. Use correct PPE when handling this material. **REPRODUCTIVE TOXICITY - REPRODUCTIVE EFFECTS** : This material is not known to cause any reproductive system damage. **TERATOGENIC EFFECTS** : This material is not known to contain any teratogenic substances. **FIRST AID MEASURES - EYES** : Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek medical aid if irritation persists. **SKIN** : Flush skin with soap and water while removing contaminated clothing. If irritation occurs, seek immediate medical attention. Do not reuse clothing or shoes until thoroughly cleaned. **INGESTION** : Do not induce vomiting, and seek immediate medical attention. Do not attempt to give any liquids if victim is unconscious. **INHALATION** : Immediately remove victim to fresh air. If victim is not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention. **KEEP OUT OF REACH OF CHILDREN. NOTES TO PHYSICIAN:** If the victim is a child, give no more than 1 glass of water and 15cc (1 tablespoon) syrup of ipecac. If symptoms such as loss of gag reflex, convulsions, or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube. **CHEMTREC Emergency telephone number:** US 1-800-424-9300 / Canada: (001) 703-527-3887 Monday to Friday 24/hrs day.

**KEEP OUT OF REACH OF CHILDREN.**

**For Chemical Emergencies / Pour les urgences chimiques / Para Emergencias Químicas  
Contact CHEMTREC (day or night) at 1-800-424-9300  
[www.5starxtreme.com](http://www.5starxtreme.com) / [www.advantagerefinish.com](http://www.advantagerefinish.com)**

Manufactured in U.S.A

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