

STAR 10™

Paint Stripper That Works!™



ARCHITECTS SPECIFICATION SHEET

Star 10 Paint Stripping Products

CERTIFIED PRODUCT DATA SHEET

PRODUCT DESCRIPTION

~ Star 10 stripper is an organic solvent paint remover that is being used by Industries, Institutions, and Home Owners to strip buildings, - (inside and out), house exteriors, house interiors, furniture, airplanes, boats, fishing rods, and gun stocks.

The System Star 10 Phase 1 Paste and Star 10 Phase 2 Liquid; Each one is of the same chemical strength, but are used in different capacities.

Star 10 Phase 1 Paste - is designed to stay wet for a long period of time, hang on a vertical surface, and hang overhead when applied at 1/16 of an inch thick.

Star 10 Phase 2 Liquid - is designed to wash the surface after removing the softened paint film resulting from using Phase 1 Paste. The liquid is also used in furniture stripping shops that use a Flow System for stripping furniture. Varnish, shellac, and lacquer will soften very quickly.

Common Sense Always do a test. Paint stripping and any restoration work is an *Unknown* until you do a test removal area. From people with 30 years of experience to those who have **never** done paint stripping should call **800-726-4319** when they have questions on how to proceed with their project while using Star 10 products. **There are no dumb questions!!!**

Substrates and Coatings Star 10 has proven it will effectively soften highly cross-linked urethane, epoxies, alkyds, latex, lead based paints **from** all wood, metal, masonry (including plaster walls), fiberglass polyester resins, fiberglass epoxy resins, glass, and many types of plastic (always test first). Star 10 Phase 1 Paste can be brush or spray applied (Natural Bristle Brush - Conventional Sprayer or Airless Sprayers).

TYPICAL APPLICATIONS

Hard wood floors, fine furniture, antiques, kitchen cabinets, gun stocks, boat bottoms, boat bright work, automobiles, auto de-glosser, paint spray booths, paint spray equipment, paint brushes, paint spray lines, paint mixing equipment, paint mixing machines and cabinets, airplanes, ceramic tiles, pitch and tar removers, label removers, printers ink and equipment, graffiti, rubber backing from adhesives, glues and adhesives, brushes and rollers, Formica, PVC, oil spots on pavement, masonry, concrete, wood, fiberglass, and metal.

PRODUCT FEATURES

1. Will **Not** damage wood.
2. Will **Not** discolor wood.
3. Leaves the surface **neutral - ph**.
4. Will **Not** raise the grain of wood.
5. Star 10 products works on **all** types of paint.
6. Star 10 products will remove paint from nylon **carpet**.
7. You can remove exterior surfaces with **1000 psi-water** after applying Star 10 Phase 1 Paste.

PHYSICAL AND CHEMICAL PROPERTIES

Shelf life is greater than three years. Products will not freeze. Ph is neutral (no acids, no caustics, no Methylene Chloride) all organic solvents, thickening agents, and sealers. Products will work down to 32 Degrees Fahrenheit (longer dwelling time required).

Appearance	Clear
Product Density	6.77 Pounds per Gallon
Total Solids	0.00% by Weight
Non-volatile Content	0.00% by Weight
VOC Content	81% by Weight
VOC Pounds per Gallon	5.48 Pounds per Gallon or 659 Grams per Liter
VHAPS Content	81% by Weight
VHAPS Pounds per Gallon	5.48 Pounds per Gallon or 659 Grams per Liter
Water Content	less than 0.2%
Flash Point - Phase 1 Paste	less than 20 Degrees Fahrenheit
Flash Point - Phase 2 Liquid	less than 10 Degrees Fahrenheit

* All shipping containers are DOT approved

* Do **NOT** store above 120 Degrees Fahrenheit

DIRECTIONS FOR USE

STAR 10 PHASE 1 PASTE

STEP 1: Apply Star 10 Phase 1 Paste stripper to an area of one square foot. Phase 1 Paste should be applied at 1/16" thick (about the thickness of a quarter). Apply it to the point that is sags and then brush the sags up. Let this sit for 30 minutes. Using a scrapper, remove a 1" wide strip from the bottom edge of the first sample. If you are down to bare wood, proceed to Step 2. Otherwise, let it sit for another 30 minutes and scrape another 1" strip. Continue doing this process until you are down to bare wood. This tells you how long to leave the product on the surface to find the right amount of "cooking" time that will soften this coating for easy removal. Remember: all coatings remove differently and need different dwelling times.

STEP 2: When you think all coats are softened, give it a few more minutes and then proceed with the removal using a scrapper and/or stubby brush.

STEP 3: Any remaining residue will come off easily by massaging with a Star 10 Strip Pad moistened with Phase 2 Liquid Stripper and wiping with a clean terry cloth rag.

STAR 10 PHASE 2 LIQUID

STEP 1: Apply a liberal amount so the surface is well wetted (not moist - WET!). Wait until the finish is dissolved (usually a few minutes, depending upon the age and thickness of the finish). When it is sticky or tacky, apply more Star 10 Phase 2 Liquid until this thick finish is like water. When the finish is completely dissolved, turn the piece vertically, wet the stubby brush with Phase 2 Liquid and scrub the residue off onto the plastic drop cloth or into a small cardboard box. Re-wet the surface being stripped and the stubby brush with Phase 2 Liquid as necessary. If working on a large piece, simply wipe the dissolved paint brush or rags. You certainly do not have to turn it vertically!)

STEP 2: With most of the finish removed, touch up any stubborn spots with a stubby brush or the strip pad and massage those areas. Then wet a clean rag with fresh Phase 2 Liquid and wipe down all surfaces. Immediately wipe the surface with another clean rag.

STEP 3: Occasionally paint or stain will have penetrated the wood grain, especially with oak. Re-wet such surfaces with Phase 2 Liquid and massage the surface with a strip pad. The paint or stain will come out.

APPLICATION METHODS

Brush	China Bristle
Spray Conventional	Material nozzle should be .06 or large (in colder temperatures, thin Phase 1 Paste with Phase 2 Liquid, can be thinned up to 50-50).
Spray Airless	Use a .017" tip

APPROXIMANT DWELLING TIME

TIME	AMOUNT
2 minutes:	2 coats of varnish, shellac, or lacquer
10 to 15 minutes:	3 to 5 coats of latex
15 to 30 minutes:	3 to 5 coats of enamel
30 to 60 minutes:	3 to 5 coats of lead based paint
30 to 60 minutes:	3 to 5 coats of single component epoxy
4 to 6 hours:	10 to 20 mils of two part polyurethane.
4 to 6 hours:	10 to 20 mils of two part epoxy.

COVERAGE

Phase 1 Paste covers about 70 square feet per gallon at 20 mils thick. Coverage for Phase 2 Liquid varies dependant on usage.

WHAT MOST PEOPLE DO WRONG

They don't apply the Star 10 Phase 1 Paste thick enough and they don't wait long enough for it to dwell before removing.

OPTIMUM TEMPERATURE

The ideal temperature for using Star 10 products is 70 Degrees Fahrenheit. Star 10 will work at 32 Degrees Fahrenheit, a longer dwelling time is required. Star 10 will work at 100 Degrees Fahrenheit, but it will evaporate at a quicker rate. Sun light and wind will make it evaporate quicker. To prevent this from happening, cover the surface with plastic. Between 45 and 95 Degrees Fahrenheit you should expect excellent results.

ALWAYS DO A TEST

Paint Stripping and any restoration work is an unknown until you do a test removal area to determine if it works for your project, how it works for your project, if you are up to the task for your project, or if you should hire someone.

REMOVAL

Removal of softened paint can be completed by:

1. A pull type scrapper (works better then a push scrapper in most situations)
2. Sandblasting the softened paint film.
3. Soda-blasting the softened paint film.
4. Corncob blasting the softened paint film.
5. Water blasting the softened paint film.

CLEAN - UP

Residential: Call your local Health Department for proper disposal.
Commercial: Call your local Environmental Protection Agency.
Industrial: Call your local Environmental Protection Agency. If in doubt, call Star 10, Inc. At 800-726-4319

SAFETY

Refer to the Material Safety Data Sheet (MSDS) for health and safety precautions. Star 10 stripping products are considered hazardous and flammable. Proper use of these products can be very satisfying.

SHIPPING INFORMATION

<u>Size</u>	<u>Weight</u>	<u>Shipping Method</u>
Quarts	2 pounds	UPS / Common Carrier
Gallon	8 pounds	UPS / Common Carrier
2.5 Gallon	19 pounds	UPS / Common Carrier
5 Gallon	38 pounds	UPS / Common Carrier
55 Gal Drum	450 pound:	Common Carrier

* Freight Classification: Paint Related Material, 3, PGII, UN 1263, Flammable Liquid.

CAUTIONS

DANGER! FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE AND SKIN IRRITATION. HARMFUL IF SWALLOWED.

Contains: Methyl Isobutyl Ketone, Methanol, Toluene, Methyl Ethyl Ketone, and Acetone. Vapor Harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose, throat, eye and skin irritation.

VAPORS MAY IGNITE EXPLOSIVELY. Keep away from heat and flame. **VAPORS MAY CAUSE FLASH FIRE.**

Do not smoke. Extinguish all flames and pilot lights, and turn stoves, heaters, electric motors, and other source of ignition off during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Do not breathe (dust, vapors or spray mist). Ensure fresh air entry during application and removal. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate properly fitted respirator (NIOSH - Rule 42 CFR 8) during application and removal. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Close container after each use. Do not transfer contents to bottles or other unlabeled containers.

Use Only With Adequate Ventilation

NOTICE: Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

FIRST AID: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Destroy contaminated shoes. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. If swallowed, do not induce vomiting. Call physician immediately.

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

ATTENTION: This container hazardous when empty. Empty container retains explosive vapors and flammable residues. All labeled hazard precautions must be observed. Keep away from heat, sparks, and flames. Do not cut, puncture or weld on or near this container. Not rated for pressure, do not apply air or gas pressure. Do not reuse this container for any purpose.

Obtain and read material safety data sheet before use.

KEEP OUT OF REACH OF CHILDREN.

INTENDED FOR PROFESSIONAL USE ONLY.

LIMITATION OF LIABILITY

To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications, contained herein. WE MAKE NO OTHER WARRANTY OR GUARANTEE OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Liability, if any, is limited to replacement of the product or refund of the purchase price. LABOR OR COST OF LABOR AND OTHER CONSEQUENTIAL DAMAGES ARE HEREBY EXCLUDED.



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