Star brite^{*}* THE SCIENCE OF STAINS MADE SIMPLE

SURFACTANT TECHNOLOGY



THE STAIN

Dirt, grime, gunk, muck. Fish blood, food, drinks. These are your surface stains.

THE SCIENCE

Most surface dirt will wash right off with boat soap and water. However, some gets ground in, especially on nonskid surfaces. That's where surfactants come in. Surfactant molecules fully surround the dirt molecules and lift them from the surface that you're cleaning. This allows them to be washed away with water. Chelating Agents are supercharged surfactants for specialized cleaning.

THE SOLUTION

Star brite Boat Wash will definitely remove most sur-

ACID TECHNOLOGY



THE STAIN

Tree leaves, hull stains, rust stains, waterline stains, hard water stains, orange stains.

THE SCIENCE

Tannins are naturally produced in the decomposition of plant-based matter, and their signature orange-hued stains are dying your hull and fiberglass. Rust stains occur on the fiberglass around metal, where water leaches color from underneath the metal and deposits it on the surface. Removing these stains requires a chemical reaction with an acid.

THE SOLUTION Star brite Instant Hull

Cleaner contains a modified oxalic acid that safely neutralizes tannins and rust. There's much more science behind it but trust us on this one, simply spray Star brite or wipe on and Instant Hull watch the stain Cleaner disappear. www.STARBRITE.com

HOW TO CHOOSE THE RIGHT CLEANER

Keeping your boat looking great is easy when you know the basics. Those basics include four common types of stains that can be frustrating if you don't know how to remove them. This handy Stains 101 Guide will help you properly identify and remove each of the four basic stains, and keep your boat looking like new.

It's the science of stains made simple!

BLEACHING TECHNOLOGY



THE STAIN

Black, brown, green, and pink mold and mildew stains.

THE SCIENCE

Similar to grass stains, these stains are caused by organic material, and need something stronger than a surfactant alone to remove them. The oxygen in a bleaching agent attacks and breaks up these types of stains, and removes any discoloration.

THE SOLUTION

While most people believe that regular chlorine bleach is the answer, it also causes a lot of problems, such as breaking down fabrics and stitching and destroying gelcoats. Instead use Star brite Mildew Stain Remover — a buffered bleach formula that attacks the stain without harming the surface. Cher brill MILDEW STAIN REMOVER

ABRASION TECHNOLOGY



THE STAIN

Black shoe marks, rub rail and bumper scuffs, marks left from dragging hoses and equipment.

THE SCIENCE

Scuff marks—or "transfer stains"—happen when material is transferred onto a surface and is mechanically bonded. Chemicals are rarely strong enough to remove these marks, since many times the material that has transferred is chemical-resistant (think of a rubber shoe). These abrasive marks require the same to remove them: abrasion.

THE SOLUTION Star brite Ultimate Magic

face dirt. For tough grime and gunk, use a cleaner/ degreaser, such as Star brite **Xtreme Clean** or choose a surfactant based on the surface: Non-Skid Deck Cleaner for non-skid, Vinyl Cleaner for vinyl, etc...

Sponge uses nano-sized scrubbers to grab hold and erase most marks easily. For your hull, use Premium Clar brile Cleaner MAGIC Wax to buff the stain away. **T**ÌÌÌ



HOW TO CHOOSE THE RIGHT PROTECTANT

After the stain is gone, it's easy to protect against future stains. Many protectants use similar technology, but are formulated for specific surfaces and environments. Use this quick guide to choose the right protectant for your surface and the stain you want to prevent, saving you time and frustration later.

THE STAIN

Dirt, grime, gunk, muck. Fish blood, food, drinks. These are your surface stains.

THE PROTECTION

To prevent dirt and grime buildup, choose a product specifically for each surface. **Non-Skid Deck Wax** adds a layer of protection to textured surfaces without making them slippery. Vinyl Guard or Xtreme Protectant is formulated to add moisture while also preventing UV damage.

THE STAIN

CLEANH PROTECT

> Tree leaves, hull stains, rust stains, waterline stains, hard water stains, orange stains.

THE PROTECTION

To help prevent hull stains, use **Premium Marine Polish, Cleaner Wax**, or **Restorer Wax**, depending on amount of oxidation. A thorough polishing in spring before the boat hits the water is important to help prevent hull staining all season long.

THE STAIN

Black, brown, green, and even pink mold and mildew stains. **THE PROTECTION Mildew Stain Blocker** is the best product to help prevent mildew stains from forming on surfaces. Use on vinyl, fabrics, fiberglass and any other surface that may be prone to mildew staining.

THE STAIN

Black shoe marks, rub rail and bumper scuffs, marks left from dragging hoses and equipment.

THE PROTECTION

Since removing abrasion stains usually doesn't require cleaning the entire boat, protecting against them is the same. Choose a speed detailer such as Boat Guard to quickly add shine and luster back to a spot that you just cleaned.

