

# Technical Bulletin

# Spray Clean

## Powerful Spray on Wipe Off Detergent

### Product Description:

The scope of this technical bulletin covers the removal of a wide variety of soils from almost all hard surfaces by employing a revolutionary cleaner based on entirely new principles. This product is known as SPRAY CLEAN. SPRAY CLEAN is described as a Quick Break Detergent and has been tested to break within the 10 minute parameter.

#### SPRAY CLEANS REMOVES THESE SOILS:

Grime, Oil, Grease, Lubricating Oil Stains, Tobacco Stain Deposits (Walls, Ceilings etc), Exhaust Stains, Oily Smut, Ink and Pencil Markings, Soot and Light Carbon Deposits, Soap Scum, Cutting Oil Stains, Lipstick, Blood Stains.

#### SPRAY CLEAN IS SAFE ON THESE SURFACES:

All Metals, Upholstery, Paint (except water based), Plastics, Wood, Glass, All Floor Coverings, Rubber, Linoleum, Asbestos Vinyl, Resilient Vinyl, Cork, Porcelain, Clothing, Skin.

SPRAY CLEAN, the selected product for this operation, is a light blue, crystal clear liquid, contains no phosphates, is dilutable with water to form solutions, non toxic, non flammable, leaves no after odours, and has no fumes. It is an entirely new type of cleaner developed in the laboratories of Castle Chemicals. SPRAY CLEAN employs entirely new principles of cleaning and is described as a "Safety Solvent" cleaner.

### Application:

To perform satisfactorily in removal of all the aforementioned soils, a cleaner must exhibit a rare combination of several vital factors. These factors in SPRAY CLEAN are:

- Unique ability in floating off many stubborn soils with absolute simplicity by a quick wipe on, wipe off process.
- More versatile than any other cleaner, in removing a very wide range of oils, eg. aircraft exhaust track stains and dried blood.
- Completely non flammable, eliminates fire hazards of cleaning with petroleum solvents.
- Dilutable with water.
- Corrosion safe on all hard surfaces including aluminium, magnesium, plastics etc.
- Non toxic and no fumes.
- No danger to skin or clothing.
- No after odours, therefore, particularly suitable for the food industry, hospitals etc.
- An extremely wide range of applications in industry.

#### METHOD OF USE:

There are three distinct methods of use:

##### METHOD 1

This is by far the most popular method, probably because of its ease and the fact that no equipment is needed to perform it.

The procedure is to dilute SPRAY CLEAN with water, according to the severity of the cleaning operation to be performed. Please refer to the end of this bulletin for suggested dilution rates.

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Immerse a hand sponge in the solution, squeeze it gently, and then wipe sponge over the surface to be cleaned. A clean cloth or rag will suffice for this job, if a sponge is not readily available. No rubbing is necessary, wipe off soils with another clean cloth. On glossy surfaces give one extra wipe with a damp cloth.

With heavy soils the SPRAY CLEAN should be allowed to remain several minutes before wiping off.

## METHOD 2

Is by the spray on, wipe off process.

The procedure for this is to dilute SPRAY CLEAN with water in a special hand spray gun, which is available from Castle Chemicals. However, conventional spray equipment can be equally effectively used.

Spray onto the surface to be cleaned and wipe off soils with a clean cloth. On glossy surfaces give one extra wipe with a damp cloth.

With heavy soils, the SPRAY CLEAN should be allowed to remain several minutes before wiping off.

## METHOD 3

This is an immersion process whereby SPRAY CLEAN may be diluted with water at the recommended rates and the job to be cleaned is immersed into the solution for the required period of time. Rinse with clean water.

## EXAMPLES OF USES OF SPRAY CLEAN:

Put SPRAY CLEAN to use where conventional cleaners have failed:

- Removal of iron oxide from painted car roofs.
- General purpose cleaner for bakeries.
- Cleaning outside shop windows (100:1).
- Rubber scuff marks from all floors.
- Conveyor belts (food and engineering).
- Toilet bowls, baths, basins, etc.
- Concrete floors.
- Scuttles of cars and battery terminals.
- Gas, electric stoves, flues and fans.
- Metal rails and racks.
- Boats, interior and exterior.
- Neon electric signs.
- Parking and road signs.
- Parking meters.
- Air filters.
- Air conditioning ducts and grills.

## INDUSTRY

METAL WORKING

BUILDING AND PLANT MAINTENANCE

## TO CLEAN

All Machine Tools

Concrete Floors, Terrazzo Floors, Linoleum and Asphalt Tile, Painted Surfaces, Light Fixtures, Kitchen Equipment, Air Filters, Air Conditioning Ducts and Grills, Ventilation Fans, Walls, Piping, Acoustic Tile Ceilings, Kitchen Hoods and Vents, Elevator Pits, Stainless Steel.

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Solutions, Chemistry, Service

## INDUSTRY

AUTOMOTIVE MAINTENANCE  
PRINTING  
FOOD

HOTELS, HOSPITALS, INSTITUTIONS

ORDNANCE

## DILUTIONS:

Aircraft  
Brick (Fronts of Boilers and  
Fireplaces)  
Conveyors  
Distilleries (Whisky Stains, etc)

Electric Motors  
Exhaust Fans  
Flues  
Kitchen Range  
Lighting Fixtures  
Looms  
Plastics

## DILUTIONS:

Plastic Upholstery  
(Use brush after applying)  
Presses  
Sheet Metal  
Small Parts  
Tile  
Tools  
Welding Equipment  
Aircraft Conditioning Ducts and  
Frills  
General Maintenance Cleaning  
Machine Sumps  
Paint Work and Other Surface  
Coatings (except water based  
paints and zinc-chromate primer)

## TO CLEAN

White Wall Tyres, Engines, Exhaust Stains on Dumpers.  
Presses, Ink Rolls, Machine Parts.  
Kitchen Equipment, Bake Ovens, Walls, Ceilings and Floors,  
Food Wagons, Slicing and Wrapping Machines, Stove Hoods,  
General Clean Up.  
Baths, Sinks, Basins etc., Vynex and Similar Type Furnishings,  
Venetian Blinds.  
Cosmolene and Other Rust Preventative from Ordnance Parts.

Dilute 1 part SPRAY CLEAN with 10  
parts water for difficult soils.

For light soils the dilution may be  
increased to 1 part SPRAY CLEAN to  
20 parts water.

1 part SPRAY CLEAN to 10 parts water

Quality of paint varies vastly.  
General dilution is 1 part SPRAY CLEAN to 10 parts water.

Test on a remote spot. Removal of a little colour is not undesirable as this will be the top oxidised layer of paint.

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## USE OF SPRAY CLEAN IN THE AIRCRAFT INDUSTRY:

SPRAY CLEAN has many applications in the aircraft industry because it is non flammable, non toxic, safe on aluminium, stainless steel, magnesium, titanium and plexiglass (perspex).

SPRAY CLEAN is also used as a preliminary immersion degreaser of airframe parts prior to alkaline cleaning and before pre spotweld etch. SPRAY CLEAN is used to clean both the exterior and interior of jet and propeller driven aircraft. Exhaust stains, oils, grease, dirt, bugs and other aircraft soils are removed from aluminium alloys, painted surfaces, windows, and rubber de icer boots. It is used to clean aircraft interiors such as carpet runners, windows plastic headliners, seats etc.

SPRAY CLEAN meets the requirements of being non toxic under normal conditions, an excellent cleaner, non flammable, safe on aircraft surfaces and safe for operators to handle and use.

For exterior cleaning, SPRAY CLEAN can be diluted up to 1 part product to 30 parts of water. Dilution is governed by the degree of soiling. Usually a pre water rinse is used to wet down aircraft prior to cleaning. For exhaust track cleaning and the removal of oil and grease, the SPRAY CLEAN is applied by spray, brush or wiped on. Agitated with a brush for stubborn soil, and allowed to soak from one to ten minutes. To remove, it is either wiped off or flushed off by pressure water.

## SUGGESTED DILUTIONS:

### APPLICATION

Convection Ovens/Hot plates  
Exhaust Stains  
Oil and Grease  
General Exterior Cleaning  
Bathrooms  
Toilets  
Plastic Headliners  
Carpets and Upholstery  
Bug Removal From Windows  
Window Cleaning

### DILUTION

1 part product to 1 part water  
Up to 1 part product to 10 parts of water  
1 part product to 10 parts water  
Up to 1 part product to 30 parts water  
Up to 1 part product to 30 parts water  
Up to 1 part product to 30 parts water  
1 part product to 20 parts water  
1 part product to 30 parts water  
1 part product to 30 parts water  
1 part product to 100 parts water

**SHELF LIFE:** As a quality assured manufacturer, Castle Chemicals has a stringent Quality assurance programme. As part of this regime, the label on this product shows a batch number and date of manufacture. This product has a shelf life of 24 months from the label printed date of manufacture. This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Castle Chemicals assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of material. **Page 4 of 4**

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