

Cleaning

Parts, Hands and Maintenance Cleaning



Why use LOCTITE cleaners prior to bonding?

LOCTITE cleaners and degreasers are highly effective and are available in both water based and solvent based formulations. When choosing a cleaner or degreaser, the major factors to consider are drying time, residue, odour, and substrate compatibility. Residue is a particularly important concern: if there is any secondary processing of the part, e.g. painting or bonding, a residue could interfere with that process. Substrate compatibility is a common concern when dealing with plastics and solvent based cleaners.

The LOCTITE cleaner portfolio offers products for:

- Cleaning components before applying LOCTITE adhesives/sealants
- Cleaning and degreasing worktops and parts
- Removing cured sealant residue
- Cleaning harsh dirt on hands

The product line includes:

- Three highly effective gentle and biodegradable hand cleaners
- Electrical contact cleaner
- Food grade cleaner (NSF A7)



Why choose BONDERITE?

BONDERITE offers you a cleaner for every step in your production chain (one stop supplier):

- Over 80 years of experience in cleaning
- High sustainability
- Highest quality
- State of the art technologies
- Continuous development and innovation



Why use BONDERITE for maintenance cleaning?

Vehicles, industrial facilities and equipment require professional maintenance and safety of the operator. Maintenance extends equipment service lifetimes and avoids long and costly downtimes. In recent years, maintenance has taken on a new dimension, with such work being frequently outsourced to companies offering specific experience and know-how, and using technical and environmentally compatible products from Henkel.

Henkel develops innovative products aligned to the demanding specifications and the latest regulations encountered in modern maintenance work.

Key industries and application areas

Public transport (rail, road), automotive, energy, cleaning companies, petrochemical plants, defense engineering, aeronautic and marine.

Some key applications

Vehicle interior and exterior cleaning, tank and pipe cleaning, floor cleaning, parts cleaning prior to inspection, paint stripping, graffiti removal and anti-graffiti protection, heat exchanger descaling, reodourising, hand cleaning.

Key advantages of using BONDERITE for maintenance cleaning

- Specific products for maintenance in industrial environments
- Equipment compatible
- Recycling possibilities
- Easy to dispense and use
- Easy waste treatment



Why use BONDERITE for industrial cleaning?

Industrial Cleaners

At each phase of their transformation, the surfaces of all metal parts must be oil and stain-free. With its years of experience in surfactant chemistry, Henkel offers high performance cleaners for all processes. The products are formulated to meet all specifications for each phase, application method, environment, temperature or substrate while respecting environmental norms.

The high quality and efficiency of Henkel products substantially increase production quality and help to decrease operating costs.

Key Industries

Metal forming, pulp and paper, steel, automotive, appliance manufacturing, wind power, aluminium, rail, agriculture, vehicle construction, weapon, electrical, medical.

Key Applications

Inter-operational and final neutral degreasing with temporary corrosion protection, water and oil-based corrosion protection, heavy-duty degreasing prior to surface treatment and painting, paint stripping, paint detack, acid descaling and pickling.

Parts and Hand Cleaning

Product Table

Do you need a parts or a hand cleaner?

Parts cleaner

General purpose

Plastic parts

Low VOC

Solution

LOCTITE SF 7061



LOCTITE SF 7063



LOCTITE SF 7070



LOCTITE SF 7066



Description

Cleaner & degreaser

Cleaner & degreaser

Cleaner & degreaser

Cleaner & degreaser

Pack sizes

400ml aerosol

400ml aerosol, pump,
10 ltr can, 200 ltr

400ml aerosol, 10 ltr

Not available in the U.K.

Handy Hints

- If cleaning tissues are required, use LOCTITE SF 7852. Parts and hand cleaner for use without water. Available in a bucket containing 70 wipes.

LOCTITE SF 7061

- Solvent-based (acetone) general parts cleaner
- Very fast evaporation
- Removes dirt, resins, lacquer, oils and greases

LOCTITE SF 7063






- Solvent-based general parts cleaner
- Leaves no residue
- Ideal for use prior to adhesive bonding and sealing applications
- Removes most greases, oils, lubrication fluids, metal cuttings and fines from all surfaces

LOCTITE SF 7070

- Solvent-based general parts cleaner
- Usable as spray or in immersion cleaning process at room temperature
- Removes special heavy oils
- For most plastic parts without the risk of stress cracks

LOCTITE SF 7066

- Water-based emulsion with low VOC
 - Use for metals and plastics
- A7 NSF Reg.No.: 142646**

		Hand cleaner		
Gasket remover	Electrical contacts	Without abrasives	With abrasives	
LOCTITE SF 7200	LOCTITE SF 7039	LOCTITE SF 7830 Manuvo	LOCTITE SF 7850	LOCTITE SF 7855
				
Gasket remover	Contact cleaner spray	Hand cleaner	Hand cleaner	Hand cleaner
400ml aerosol	400ml aerosol	Not available in the U.K.	400ml bottle, 3 ltr pump dispenser, 10 ltr	400ml bottle, 1.75 ltr pump dispenser
<p>LOCTITE SF 7200</p> <ul style="list-style-type: none"> Removes cured gasket sealants and traditional gaskets in 10 to 15 minutes Minimal scraping Usable on most types of surface Do not use on plastic or painted surfaces 	<p>LOCTITE SF 7039</p> <ul style="list-style-type: none"> For cleaning electrical contacts exposed to moisture or other contamination Does not affect insulating varnishes Typical application: cleaning of electrical contacts, relays, switchgear, etc. 	<p>LOCTITE SF 7830 Manuvo</p> <ul style="list-style-type: none"> Highly efficient Does not contain abrasives Works with or without water Biodegradable 	<p>LOCTITE SF 7850</p> <ul style="list-style-type: none"> Free of mineral oils With abrasives Removes ground-in dirt, grease, grime, and oil Contains premium skin conditioners Works with or without water Biodegradable 	<p>LOCTITE SF 7855</p> <ul style="list-style-type: none"> Non-toxic With abrasives Removes paint, resin and adhesives Works with or without water Biodegradable






Industrial Cleaners

Product Table

Solution

	General dip	General spray	High pressure
	BONDERITE C-NE 20 	BONDERITE C-NE FA 	BONDERITE C-MC 80 
Application	Dip	Spray	Spray or high pressure
Appearance	Yellow to light brown liquid	Clear, red-brown liquid	Clear liquid
Application concentration	2 – 8%	3 – 10%	0.5 – 5%
Working temperature	+40°C to +90°C	+20°C to +50°C	+20°C to +90°C
	BONDERITE C-NE 20 All-purpose neutral dip cleaner <ul style="list-style-type: none"> • Salts of organic acids, non-ionic surfactants, alkanolamines • Neutral cleaner • Multi-metal • Dewatering properties • Very good corrosion protection • For final as well as for intermediate cleaning 	BONDERITE C-NE FA All-round spray cleaner for heavy soiling <ul style="list-style-type: none"> • Contains corrosion protection agent • Also usable with other cleaning methods (dip, HP, manual, etc.) • For use on all substrates • Environmentally compatible alternative to solvent cleaners 	BONDERITE C-MC 80 Alkaline high pressure cleaner <ul style="list-style-type: none"> • Contains alkalis, surfactants, silicates • All-round alkaline cleaner • Contains inhibitors for use on aluminium • High degreasing performance • Ideal tank cleaning product

Parts cleaning

Alkaline		Corrosion protection	Neutral	Acid
BONDERITE C-AK 5800	BONDERITE C-AK 5520	BONDERITE S-PR 6776	BONDERITE C-NE 3300	BONDERITE C-IC 3500
				
Spray	Spray	Dip/spray	All	Dip/spray
Clear colourless liquid	Clear liquid	Clear, yellowish liquid	Clear, light yellowish liquid	Clear, yellow-brownish liquid
4 – 8%	2 – 6%	1 – 5%	1 – 3%	10 – 30%, 1 – 5%
+40°C to +80°C	+50°C to +80°C	+40°C to +80°C	+30°C to +80°C	+50°C to +90°C
<p>BONDERITE C-AK 5800 Liquid spray cleaner for degreasing of steel parts and plastic</p> <ul style="list-style-type: none"> • Contains alkalis, phosphates, salts of organic acids, non-ionic surfactants • High degreasing performance • Usable in all water qualities 	<p>BONDERITE C-AK 5520 Liquid spray cleaner for all metals</p> <ul style="list-style-type: none"> • Contains silicates, surfactants • Contains inhibitor for use on aluminium • Low foaming 	<p>BONDERITE S-PR 6776 Cleaning before machining and corrosion protection after machining</p> <ul style="list-style-type: none"> • Organic corrosion protectors of solubilisers, mineral oil fractions • Applicable in immersion and spray process • All metals • Corrosion protection for long term storage 	<p>BONDERITE C-NE 3300 Water-based neutral cleaner</p> <ul style="list-style-type: none"> • Organic corrosion inhibitors • Very good demulsifying behaviour • Multi-metal • Applicable in all kinds of processes • Salt-free 	<p>BONDERITE C-IC 3500 Pickling and derusting agent for immersion and spray processes</p> <ul style="list-style-type: none"> • Contains phosphoric acid, sulphuric acid, inhibitor • Fast pickling • Contains inhibitor • Ideal for equipment cleanouts

Cleaning, Protecting and Specialities

Product Table

Solution	Paint removing		
	Paint stripping		Paint detack
	Hot	Cold	Solvent-based paints
	BONDERITE S-ST 9210	BONDERITE S-ST 6776 LO / THIN	BONDERITE S-PD 810
Application	Spray	Brushing/dip	–
Application concentration	30 – 50%	Ready-to-use	10 – 20%
Working temperature	> +80°C	Room temperature up to +35°C	Room temperature
	BONDERITE S-ST 9210 Highly alkaline paint stripper (for use on steel only) <ul style="list-style-type: none"> • Amine-free • Solvent-free 	BONDERITE S-ST 6776 LO / THIN Acid paint stripper <ul style="list-style-type: none"> • Methylene chloride-free • BONDERITE S-ST 6776 LO: Thickened for good adherence • BONDERITE S-ST 6776 THIN: For dip application • All metals (incl. aluminium) • Low odour 	BONDERITE S-PD 810 Neutral paint coagulant <ul style="list-style-type: none"> • All-rounder for solvent-based paints • Neutral • Contains corrosion inhibitor

Protecting

Cleaning specialities

Corrosion protection

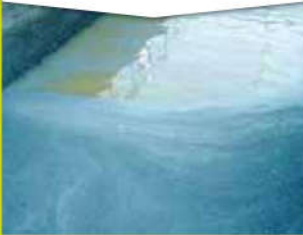
Reodouring

Water-based paints

Water-based

Oil-based

BONDERITE S-PD 828



BONDERITE S-FN 7400



BONDERITE S-PR 3



BONDERITE S-OT WP



–

Spray/dip

Spray/dip

Spray

4 – 5%

0.5 – 2% (steel), 1.5 – 3% (cast iron)

Ready-to-use

> 2%

Room temperature

+15°C to +80°C

Room temperature

Room temperature

BONDERITE S-PD 828
Neutral paint coagulant for solvent- and water-based paints

- Contains special silicates, dust binding agents
- Neutral
- For both solvent- and water-based paints

BONDERITE S-FN 7400
Passivation of steel and cast iron for subsequent temporary storage in closed warehouses

- Contains organic corrosion protection components
- Organic corrosion protection components
- Water-based
- No disturbance of following process steps (painting, bonding, etc.)

BONDERITE S-PR 3
Passivation of steel and cast iron for subsequent storage or transport

- Contains organic corrosion protection components
- Organic corrosion protection components mineral oil fractions
- Flashpoint > +100°C
- 3 – 6 months corrosion protection in closed warehouse

BONDERITE S-OT WP
Deodourant



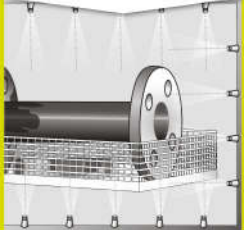


- Special technology to neutralise unpleasant smells
- Low consumption / high performance

Cleaners – Heavy-Duty Maintenance Cleaners

Product Table

Which type of heavy-duty maintenance cleaner is required?





Solution	General cleaning		Heat exchanger & pipes	
	Universal cleaner	Heavy-duty cleaner	Lime scale and corrosion removal	Degreaser
	LOCTITE SF 7840	BONDERITE C-MC 3000	BONDERITE C-IC 146	BONDERITE C-AK 187 U
pH at 10 g/l	pH 10	pH 12.5 – 13.5	pH 1.3 – 1.9	pH 12 – 13
Service temperature range	+10°C to +50°C	+10°C to +50°C	+60°C to +70°C	+60°C to +70°C
Application concentration	Heavy Cleaning: 25 - 50% Medium Cleaning: 3 - 6% Light Cleaning: 1 - 2%	2 – 20%	8 – 16%	–
	LOCTITE SF 7840 Cleaner & degreaser <ul style="list-style-type: none"> • Biodegradable • Solvent-free, non-toxic, non-flammable • Can be diluted with water • Removal of grease, oil, cutting fluids and workshop grime 	BONDERITE C-MC 3000 High pressure cleaner <ul style="list-style-type: none"> • Economical in use • Phosphate, EDTA- and NTA-free • Excellent degreasing properties • Highly efficient all-round alkaline cleaner • Ideal vehicle cleaner 	BONDERITE C-IC 146 <ul style="list-style-type: none"> • All metals • Contains inhibitor to avoid over-pickling • Degreasing action • Highly concentrated • Descaling – derusting mainly used in circulation applicators 	BONDERITE C-AK 187 U <ul style="list-style-type: none"> • For steel surfaces • Strong degreasing action on very oiled steel surfaces • Highly concentrated • Silicate and phosphate free • Addition of cleaning booster if necessary • Non-foaming • Derusting action • Degreasing in circulation applicators




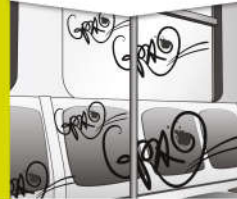

Floor cleaning	Cleaning of mechanical parts			Paint removing
Low-foam floor cleaner	Fountain cleaner / Washing table	Washing machine	Dip cleaning	Paint cleaner
<p>BONDERITE C-MC 20100</p>	<p>BONDERITE C-MC 1030</p>	<p>BONDERITE C-MC 352</p>	<p>BONDERITE C-MC 1204</p>	<p>BONDERITE C-MC 21130</p>
				
<p>pH 10.5</p>	<p>neat: pH 9.5</p>	<p>pH 11.5</p>	<p>pH 11.3</p>	<p>neat: pH 9 – 10</p>
<p>Room temperature</p>	<p>Room temperature</p>	<p>+50°C to +75°C</p>	<p>Room temperature, up to +40°C</p>	<p>Room temperature, up to +40°C</p>
<p>2 – 10%</p>	<p>Ready-to-use</p>	<p>2 – 6%</p>	<p>1 – 50%</p>	<p>8 – 10%</p>
<p>BONDERITE C-MC 20100 Floor cleaner for automatic & manual cleaning</p> <ul style="list-style-type: none"> • Neutral • Low-foaming for use in floor cleaning equipment • Slightly perfumed • Leaves soil-repellent protection layer 	<p>BONDERITE C-MC 1030 Industrial cleaner for fountain applications</p> <ul style="list-style-type: none"> • Water-based cleaner to replace solvents • Provides temporary rust protection • Solvent-free • For cleaning mechanical parts using cleaning tables 	<p>BONDERITE C-MC 352 Spray cleaner</p> <ul style="list-style-type: none"> • Efficient metal cleaner and degreaser used in spray cleaning machines • Strong detergent efficiency • Contains inhibitor for light metals • Solvent-free • Efficient metal cleaner and degreaser used in spray cleaning machines 	<p>BONDERITE C-MC 1204 Dip cleaner</p> <ul style="list-style-type: none"> • General cleaner and degreaser for heavy soils • Excellent penetrating action on dirt and easy dissolution of grease • Can be applied by spraying, dipping or manually • Solvent-free <p>Applications: Cleaning of all metal mechanical parts, with or without high pressure. Also suitable on synthetic substances, rubbers and painted surfaces.</p>	<p>BONDERITE C-MC 21130 Painting equipment cleaner</p> <ul style="list-style-type: none"> • For cleaning solvent-based and water-soluble paints • Free of chlorinated, petroleum-based or oxygenated solvents • Non-flammable • For cleaning all kinds of painting equipment

Cleaners – Heavy-Duty Maintenance Cleaners

Product Table

Which type of heavy-duty maintenance cleaner is required?

Solution	Vehicle exterior cleaning			
	Multi-purpose cleaner	Acid cleaner	Neutral cleaner	Cleaning paste
	BONDERITE C-MC 3100	BONDERITE C-MC CS	BONDERITE C-MC N DB	BONDERITE C-MC 10130
				
pH at 10 g/l	pH 10.6	pH 1.6 – 2.2	pH 7	–
Service temperature range	Room temperature	Room temperature	Room temperature	Room temperature
Application concentration	3 – 5%	1 – 20%	3 – 5%	Ready-to-use
	<p>BONDERITE C-MC 3100 High pressure cleaner</p> <ul style="list-style-type: none"> • For the exteriors of all kinds of vehicles/vehicle parts • Special low odour properties, specifically for manual high pressure cleaning and especially for all indoor cleaning operations • Free of phosphates, EDTA and NTA • Low pH level • No attack on painted or plastic surfaces • Efficient exterior alkaline cleaner for vehicles 	<p>BONDERITE C-MC CS</p> <ul style="list-style-type: none"> • For exterior cleaning of railway vehicles and trucks • Ideal for removing flash rust, particularly on trains 	<p>BONDERITE C-MC N DB Neutral cleaning product for general cleaning operations</p> <ul style="list-style-type: none"> • Specifically for cleaning vehicles, especially railway but also wheeled and water vehicles • Outstanding surface compatibility 	<p>BONDERITE C-MC 10130 Renovation paste – for cleaning und polishing</p> <ul style="list-style-type: none"> • Removing lime scale and soap residues from glass and metal surfaces • High detergent efficiency

Vehicle interior cleaning		Graffiti cleaning		Tank cleaning
General interior cleaner	Glass cleaner	Exterior / metal-paint	Interior	General tank cleaner
BONDERITE C-MC 12300	BONDERITE C-MC 17120	BONDERITE C-MC 400	BONDERITE S-ST 1302	BONDERITE C-MC 60
				
Neat: pH 9.5 – 10.5	Neat: pH 10.3	Neat: pH 3.7	pH 9.8 – 10.8	pH 12.0 – 13.0
+10°C to +49°C	Room temperature	+10°C to +40°C	Room temperature	+20°C to +90°C
3 – 50%	Ready-to-use	Ready-to-use	Ready-to-use	5 – 20%
BONDERITE C-MC 12300 Universal liquid cleaner <ul style="list-style-type: none"> • All substrates • Perfumed • High degreasing properties • All application methods 	BONDERITE C-MC 17120 <ul style="list-style-type: none"> • Self drying • Also ideal for cleaning of plastics 	BONDERITE C-MC 400 Graffiti and marking remover <ul style="list-style-type: none"> • Very efficient on almost any type of graffiti • Particularly active on bitumen containing spray paints • Can be used on vertical surfaces • Label free • For the removal of graffiti and markings from all common substrates 	BONDERITE S-ST 1302 Ink and graffiti remover <ul style="list-style-type: none"> • Removal of graffiti, grease, rubber tracks, on glass and ceramics • Suitable for synthetic leather surfaces, as well as metal surfaces without damaging the base material • Free of CFC, mineral oil, acid and caustic substances • For the removal of graffiti and grease on glass and ceramics 	BONDERITE C-MC 60 Strong alkaline high pressure cleaner <ul style="list-style-type: none"> • Efficient heavy duty cleaner for concrete floors • Solvent-free • Water-based strong alkaline cleaning agent • Cleans steel, copper, copper alloys, stainless steel and most plastic surfaces • Removes oil, fats (vegetable, animal, mineral), fatty acids, mineral contaminants and additives, even if hardened, oxidized or burned • Leaves a temporary rust protection film after drying