

**HEUCOFLASH™
LQ1 & LQ2
INNOVATIVE FLASH
RUST INHIBITORS**

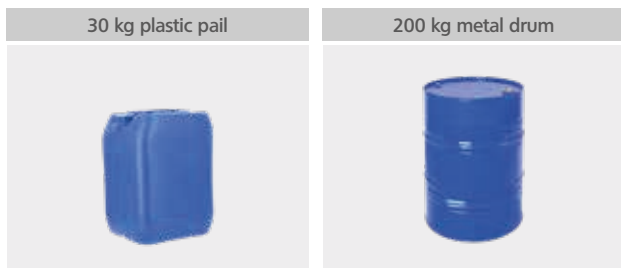
HEUCOFLASH™ LQ1 and HEUCOFLASH™ LQ2

There are two versions, **HEUCOFLASH™ LQ1** and **HEUCOFLASH™ LQ2**, both are clear yellowish water based solutions of organic and inorganic compounds and salts.

HEUCOFLASH™ are VOC free liquid flash rust inhibitors that can be added during any step of manufacturing by simply stirring in.

Product	HEUCOFLASH™ LQ1	HEUCOFLASH™ LQ2
Description	Yellow liquid	Yellow liquid
Chemical description	Solution of Nitrite containing inorganic salts	Solution of inorganic and organic salts
Dosage rate (of liquid coating weight)	0.3 % - 1.5 %	0.3 % - 1.5 %
Substrates	Ferrous and galvanized steel	All metal substrates
Binder systems	Waterborne resins	Waterborne resins e.g. epoxies or acrylics
Labelling	Free up to 1 %	Free at any recommended dosage level

Both products are offered in three package types: 30 kg plastic pails, 200 kg metal drums and 1000 kg IBC container, standard in PE.



Analytcs

Analytical Tests	HEUCOFLASH™ LQ1	HEUCOFLASH™ LQ2
Density (g/cm ³)	typ. 1.1	typ. 1.1
Storage condition	frost free	> 5°C
pH value	typ. 7.5	typ. 8.0
Viscosity [max. cps]	typ. 30	typ. 30
VOC	free	free
Miscibility	Miscible up to in 5 % Water, Ethanol, Ethylene Glycol, Butyl glycol, DPM	

Application Technological Properties

We have done several tests comparing water based DTM systems and standard primers to show the effect of the **HEUCOFLASH™** products and results are available in our selection of guiding formulations.

The tests were done with a “normal” dosage of 0.8 % for **HEUCOFLASH™ LQ1** and 0.45 % for **LQ2**.

We have included different binder systems and different anticorrosive pigments like **HEUCOPHOS® ZCP PLUS**, **CAPP** or **CMP** to show the initial positive effect of protecting from flash rust while maintaining its positive long term effect in combination with the ACO pigments.

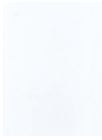
One DTM System using **HEUCOPHOS® CMP** and an APEO free styrene acrylic dispersion on sandblasted steel is chosen to demonstrate the short – and long term effect.



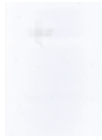
Flash rust after drying at RT / SBS



Control



HEUCOPHOS® CMP
&
HEUCOFASH™ LQ1



HEUCOPHOS® CMP
&
Competitor 1



HEUCOPHOS® CMP
&
HEUCOFASH™ LQ2



HEUCOPHOS® CMP
&
Competitor 2

Without flash rust inhibitor it shows the typical rust spots that are migrating to the surface while the resin is gelling and curing.

1224h SST / SBS



Control



HEUCOPHOS® CMP
&
HEUCOFASH™ LQ1



HEUCOPHOS® CMP
&
Competitor 1



HEUCOPHOS® CMP
&
HEUCOFASH™ LQ2



HEUCOPHOS® CMP
&
Competitor 2

And humidity testing: 1392h HT / SBS



Control



HEUCOPHOS® CMP
&
HEUCOFASH™ LQ1



HEUCOPHOS® CMP
&
Competitor 1



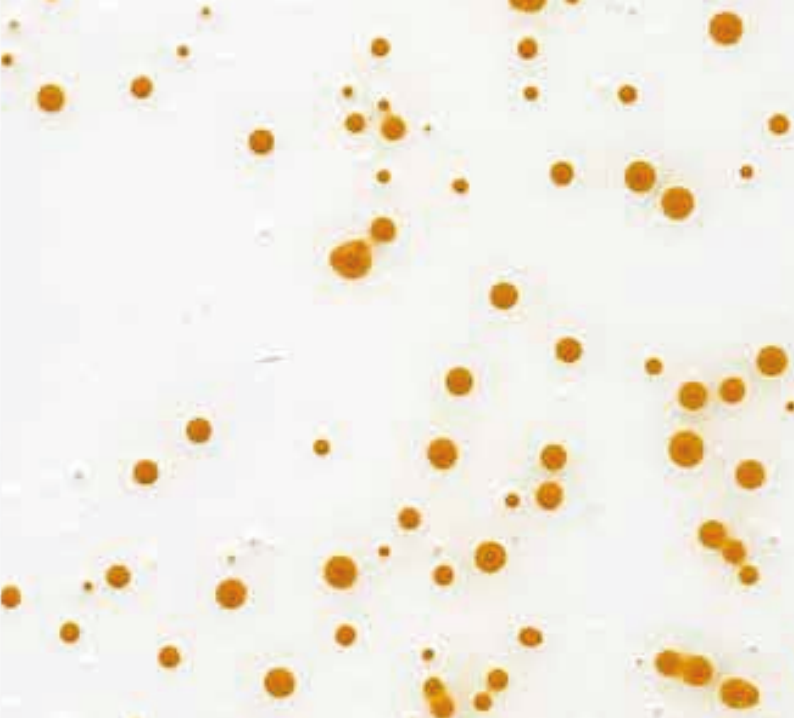
HEUCOPHOS® CMP
&
HEUCOFASH™ LQ2



HEUCOPHOS® CMP
&
Competitor 2

The results clearly show the early protection and even with severe exposure in the salt spray chamber for more than 1200h, the combination of **HEUCOFASH™** and **HEUCOPHOS®** protects the rough surface of sandblasted steel, without influencing any other coating properties.



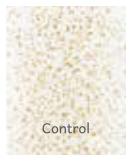


Product description

Waterborne coatings can cause corrosion to metallic surfaces in form of flash- or early rusting. This flash rust is caused by the water in the system and migrates through the coating during the gelling and drying time and forms rust spots visible on the surface and in some cases also on the metal surface itself. This has to be inhibited to provide long lasting coatings.

To protect the surface from rusting, organic and inorganic compounds are used as flash rust inhibitors that provide an early protection by preventing

the formation of rust spots during the gelling and curing time. This will not replace any anti-corrosive pigments that are necessary for long term protection. The newly introduced **HEUCOFLASH™** products are an addition to the anti-corrosive pigment portfolio of **HEUBACH** Group.





Sudarshan Chemical Industries Limited **Registered Office**

Eleven West Panchshil, 7th Floor, Survey No. 25,
Near PAN Card Club Road, Baner, Pune 411069 (India)

Board line: +91-20-68281200

www.sudarshan.com

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency, or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. * Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact us.

*For sales to customers located within the United States and Canada the following applies

in addition NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE. 02/2022

™ Trademark

® Trademark registered in many countries

ACO EN | 03.2025