PERFORMANCE SHEET

LABEL FREE FLOOR & MAINTENANCE CLEANER QUAKERCLEAN® 8820

Background

QUAKERCLEAN® 8820 is a foam-inhibited workshop floor cleaner for the removal of oil, grease and pigment soiling from industrial floor coverings in production and storage areas. Due to its very good heavy soil penetration characteristics, it is also suitable for maintenance operations (machines hard surface cleaning, where it can be applied by hand wiping). QUAKERCLEAN® 8820 is label free and compatible with metalworking coolants in case of contamination.

Benefits

- Floor & maintenance
 cleaner
- Low foam
- No labellingSafe handling

Nice smell

propertiesCompatible with all materials

Excellent cleaning

- Compatible with coolants
- Low alkalinity

A Label-Free Cleaner

QUAKERCLEAN® 8820 doesn't contain BIT, Boron, formaldehyde, phosphate, nor EDTA and NTA.

High Cleaning Performance, No Foam

A trial was performed in a large automotive plant. Very good results were obtained at 10% concentration with QUAKERCLEAN® 8820.



A trial was performed in a Quaker Houghton owned facility. A washing machine was filled with a solution of 10% QUAKERCLEAN® 8820 in tap water.

Cleaning performances and foam behavior clearly outperform benchmarks.

QUAKERCLEAN® 8820	PRODUCT A	PRODUCT B						
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TECHNICAL DATA

PARAMETER	BENCHMARK PRODUCT A		QUAKERCLEAN® 8820	
pH Concentrate	10.0	•	10.0	•
pH Diluted	9.5 at 5%	•	9.7 at 1%	•
Alkalinity (mgKOH/g)	18	•	19	•
DIN Corrosion level 0	>6%	•	>10%	•
Surface Tension (Dyn/cm)	31	•	21	•
Cleaning Properties	Good	•	Very Good	•
Odor	Perfumed	•	Perfumed	•
Foaming 3% (ml0s - ml60s) at 20°C at 50°C	220/210 210/200	•	200/200 180/170	•
COD at 1% (mgO2/l)	868	•	1170	•
Phosphate	Yes	•	No	•
Biocide	No	•	No	•

Good performance

Moderate performance



QUAKERCLEAN® 8820

Cleaning Performance - Laboratory

Soiled steel panels have been dipped in 5% solution at 50°C, stirring the bath at 300 rpm. Panels are left in the bath for 1 minute and 3 minutes. Cleanliness is measured by surface wettability (%) and degreasing performances (mN/m). For both measures, the higher the number, the better the performance

Soils selected

- QUAKERCUT® 4150 EPS Standard neat cutting oil 15 cSt
- FERROCOTE® 5802 U2 Long term thixotropic greasy rust preventive

PARAMETER	BENCHMARK PRODUCT A	QUAKERCLEAN ® 8820	
QUAKERCUT® 4150 EPS	50%	80%	•
1 min	35 mN/m 🛛 📍	44 mN/m	
QUAKERCUT® 4150 EPS	75%	100%	•
3 min	41 mN/m •	48 mN/m	
FERROCOTE® 5802 U2	20%	35%	•
1 min	35 mN/m •	35 mN/m	
FERROCOTE® 5802 U2	50%	80%	•
3 min	38 mN/m •	44 mN/m	

Good performance

Moderate performance

