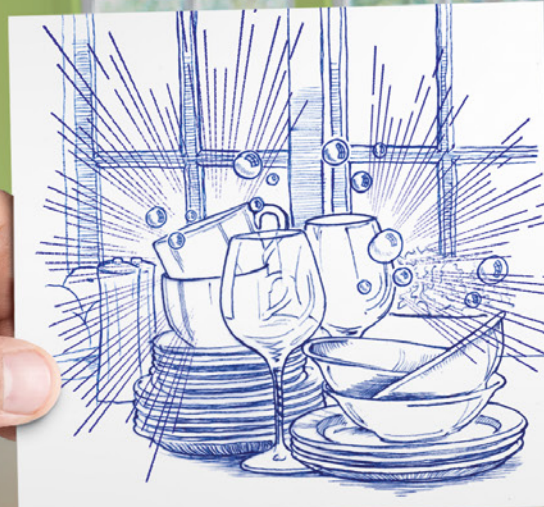




Better chemistry – achieving more.

# HOME CARE / I & I PRODUCT OVERVIEW



# Home Care

## Product Overview

### WeylClean® SAS

The degreasing classic: strong and mild at once

WeylClean® SAS grades are versatile anionic surfactants with outstanding surface-active properties like strong grease removal and excellent wetting behavior in Home Care, Industrial & Institutional Cleaning, Technical Applications and Personal Care. They have a good ecotoxicological profile and show a good dermatological and toxicological compatibility. WeylClean® SAS grades are produced by sulphoxidation of n-paraffin by the Hoechst light/water process and are environmentally friendly surfactants with very good biodegradability.

	WeylClean® SAS 30	WeylClean® SAS 60	WeylClean® SAS 93	WeylClean® SAS 93 G
Type	Secondary Alkane Sulphonate	Secondary Alkane Sulphonate	Secondary Alkane Sulphonate	Secondary Alkane Sulphonate
Appearance	Pale yellowish aqueous solution	Yellowish soft paste	Yellowish waxy pellets	Yellowish waxy fine grain
Active content (%)	Approx. 30	Approx. 60	Approx. 93	Approx. 92
Sodium Sulphate (%)	Max. 2.1	Max. 4.2	Max. 6.5	Max. 7.0
Paraffin (%)	Max. 0.4	Max 0.7	Max. 1.0	Max 1.0
Viscosity at 30°C (mPas)	Approx. 200	Approx. 7500	–	–
Density	Approx. 1.042	Approx. 1.087	–	–
Bulk density (g/l)	–	–	Approx. 600	Approx. 570
pH at 20 °C, 5% telquel	7 – 8	7 – 8	7 – 8	7 – 8
Recommended usage level (%)	3 – 50	3 – 30	1 – 20	1 – 20

### WeylClean® SKS-6

The performance builder for phosphate-free formulations

WeylClean® SKS-6, a layered sodium disilicate ( $\delta\text{-Na}_2\text{Si}_2\text{O}_5$ ), is a modern builder, which improves primary and secondary washing effects of laundry and automatic dishwasher detergents. It softens water without forming precipitates. WeylClean® SKS-6 can absorb and carry liquid components helping to increase detergent compactness. WeylClean® SKS-6 is produced from sand and caustic soda via spray drying and a specially designed crystallization process. WeylClean® SKS-6 is safe for consumers and the environment and has a favorable ecological profile.

	WeylClean® SKS-6 P	WeylClean® SKS-6 Gr	WeylClean® SKS-6 WB
Type	Layered Sodium Disilicate	Layered Sodium Disilicate	Layered Sodium Disilicate
Appearance	White powder	White granules	White granules
Active content	Min. 99	Min. 99	67 – 79
Binder	–	Water	Sodium salt of polycarboxylic acid
Particle size range (µm)	50 – 200	210 – 1180	160 – 1600
Bulk density (g/l)	500 – 670	Min. 840	500 – 700
pH at 20 °C, 1 g/l, 10 min	11.4 – 12.0	11.4 – 12.0	10.0 – 11.0
pH at 20 °C, 10 %, 10 min	–	–	12.6 – 13.6
Recommended usage level (%)	3 – 20	3 – 20	4 – 25

## Peractive® TAED

### The clean and hygienic way of bleaching

Peractive® TAED (Tetraacetythylenediamine) describes a range of effective bleach activators. In combination with sodium percarbonate (SPC) or H<sub>2</sub>O<sub>2</sub>, they enable the removal of bleachable stains from fabrics and dishes at temperatures from 30 to 60 °C. Additionally they provide a high standard of hygiene in automatic dishwash and laundry applications by the in-situ generation of peroxyacetic acid. Peractive® TAED bleach activators are produced with high purity in a solvent-free process with water as only by-product. They are safe for consumers and the environment, have a low toxicological / ecotoxicological profile and are readily biodegradable.

	Peractive® P	Peractive® AC White	Peractive® AC White F	Peractive® AC Green	Peractive® AC Blue	Peractive® AN	Peractive® CB
Type	Powder	Agglomerate				Agglomerate	Compactate
Appearance	Pale yellow free flowing powder	Cream colored granules	Cream colored granules	Green granules	Blue granules	Cream colored granules	Cream colored granules
Particle	Needles	Spherical				Spherical	Aspherical
Active Content (%)	Min. 99	90 – 94				84 – 90	90 – 94
Binder	-	CMC				Nonionic	Bentonite
Particle size range (µm)	45 – 150	200 – 1600	200 – 1000	200 – 1600	200 – 1600	200 – 1600	200 – 1600
Bulk Density (g/l)	450 – 550	350 – 580				400 – 500	630 – 730
pH	4 – 6	6 – 8				4 – 6	6 – 8
Recommended usage level (%)	1 – 8	1 – 9				1 – 9	1 – 9



## WeylClean® MnTACN / FDO X / FDO XP

### Ultimate stain removal for automatic dishwashing

WeylClean® MnTACN, FDO X and FDO XP are part of a range of highly efficient bleach catalysts for automatic dishwashing (ADW) applications with a special focus on tea stain removal. In combination with persalts (e.g. sodium percarbonate) or H<sub>2</sub>O<sub>2</sub> they boost oxidation processes during the dish wash cycle at temperatures below 60 °C.

WeylClean® catalysts are available as pure WeylClean® MnTACN powder, as granulates with the bleach activator TAED for easier handling and additional hygiene (WeylClean® FDO X), or coated for extra robustness in final formulations (WeylClean® FDO XP). Being catalysts, they are used at very low concentrations and save valuable formulation space.

	WeylClean® MnTACN	WeylClean® FDO X	WeylClean® FDO XP
<b>Type</b>	Catalyst powder	Activator & catalyst co-granule	Coated activator & catalyst co-granule
<b>Appearance</b>	Orange to red free-flowing powder	Orange to pink granules	Orange to pink granules
<b>Active content</b>			
Catalyst (%)	Min. 98	1.5 – 2.3	1.4 – 2.4
TAED (%)	–	72 – 78	69 – 74
<b>Binder</b>			
Polycarboxylate (%)	–	21 – 25	20 – 24
<b>Particle size (µm)</b>	< 50	200 – 1600	1000 – 1600
<b>Bulk density (g/l)</b>	500 – 800	550 – 750	550 – 750
<b>pH</b>	6 – 8	4.5 – 6.5	4.5 – 6.5
<b>Recommended usage level (%)</b>	0.02 – 0.04	1 – 2	1 – 2
<b>Recommended dosage of catalyst per wash (mg/20g dose)</b>	6	300	300

## WeylClean® MnOX / FDO ANC

### The green alternative for automatic dishwashing

WeylClean® MnOX and FDO ANC are bleach catalysts mimicking natural oxidation reactions by manganese containing enzymes. In combination with persalts (e.g. sodium percarbonate) or H<sub>2</sub>O<sub>2</sub>, they significantly improve the removal of tea stains in automatic dishwashing (ADW) applications, also at lower temperatures.

WeylClean® catalysts are available as pure MnOX powder (WeylClean® MnOX) or as granulates with the bleach activator TAED for easier handling and additional hygiene (WeylClean® FDO ANC). Being catalysts, they are used at very low concentrations and save valuable formulation space.

	WeylClean® MnOX	WeylClean® FDO ANC
<b>Type</b>	Catalyst powder	Activator & catalyst co-granule
<b>Appearance</b>	White free-flowing powder	Cream colored granules
<b>Active content</b>		
Catalyst (%)	Min. 99	15 – 19
TAED (%)	–	56 – 60
<b>Binder</b>		
Citric Acid (%)	–	8 – 12
PEG 600 (%)	–	12 – 18
<b>Particle size (µm)</b>	< 200	400 – 1600
<b>Bulk density (g/l)</b>	600 – 900	500 – 700
<b>pH</b>	5 – 6	2 – 4
<b>Recommended usage level (%)</b>	0.10 – 0.20	1 – 2
<b>Recommended dosage of catalyst per wash (mg/20g dose)</b>	30	200

## Application Areas

PRODUCT	HOME CARE				FABRIC CARE						I & I			
	Manual Dishwashing	Automatic Dishwashing			Hard Surface Cleaning	Laundry Detergents				Laundry Aids – Spot and Stain Remover	Fabric Softener	Industrial Cleaner	Institutional Cleaner	Warewashing
		Liquids	Powders	Tablets		Powder Detergents	Detergent Tablets	Liquid Detergents	Special Detergents					
<b>WeylClean® SAS</b>														
WeylClean® SAS 30	•				•			•				•	•	
WeylClean® SAS 60	•				•			•				•	•	
WeylClean® SAS 93	•				•			•				•	•	
WeylClean® SAS 93 G					•							•	•	
<b>WeylClean® SKS-6</b>														
WeylClean® SKS-6 P								•						
WeylClean® SKS-6 Gr								•	•			•	•	
WeylClean® SKS-6 WB								•	•			•	•	
<b>Peractive® TAED</b>														
Peractive® P								•	•			•	•	
Peractive® AC White								•	•			•	•	
Peractive® AC White F								•	•			•	•	
Peractive® AC Green								•	•			•	•	
Peractive® AC Blue								•	•			•	•	
Peractive® AN								•	•			•	•	
Peractive® CB								•	•			•	•	
<b>WeylClean® Catalysts</b>														
WeylClean® MnTACN													•	
WeylClean® FDO X													•	
WeylClean® FDO XP													•	
WeylClean® MnOX													•	
WeylClean® FDO ANC													•	



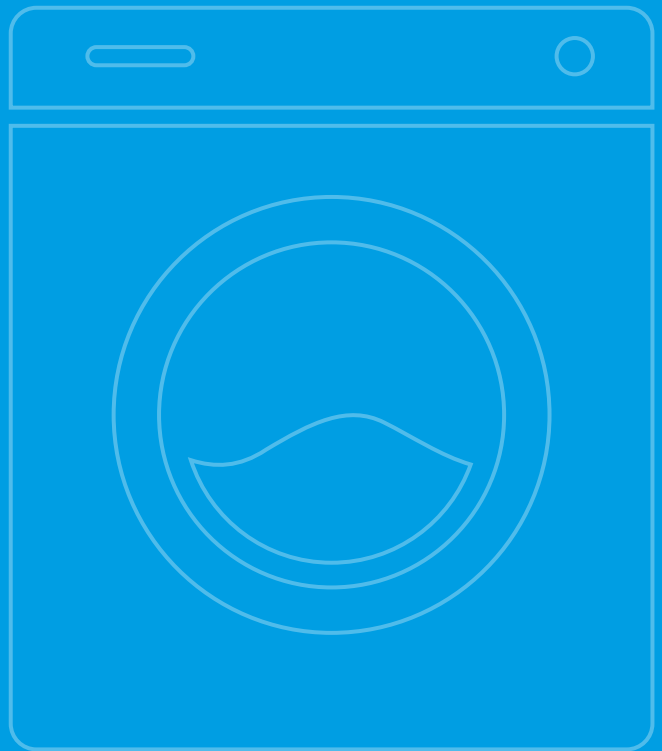
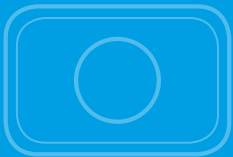
**WeylChem Performance Products GmbH**

Kasteler Strasse 45

65203 Wiesbaden

[consumer.care@weylchem.com](mailto:consumer.care@weylchem.com)

[www.weylchem.com](http://www.weylchem.com)



This data sheet does not constitute any representation or warranty and may not be treated as an offer to supply Product. We would be pleased to provide you a binding offer to supply Product meeting your individual needs and requirements.