

Product Data Sheet

VOC Free, pH Neutral, Water Based Cleaner (EC Directive 1999/13/EC)

Product:- ABSOLUTE 129, 129A and 129B



Product Description

ABSOLUTE 129 is a super concentrate microemulsion (forming) surfactant system and is VOC Free according to the Solvents Emissions Directive (EC Directive 1999/13/EC). ABSOLUTE 129 can be used as supplied and is soluble for dilution with water in all proportions. It provides a highly efficient alternative to solvent, emulsion forming surfactant or caustic / acid based cleaners. ABSOLUTE 129 can also be used in organic solvents if deemed suitable.

ABSOLUTE 129 has been designed specifically for the removal of UV based inks and residues from contaminated screens, surfaces and rollers. ABSOLUTE 129 can also be used for janitorial cleaning purposes and personal care.

ABSOLUTE 129 is:

- A highly efficient water based cleaner to replace organic solvents
- A highly efficient pH neutral cleaner to replace caustic / acid based products
- A highly efficient alternative to replace emulsion forming surfactant systems
- No emulsion slop / mixed solvent wastes produced
- Non flammable / Non toxic
- None to negligible corrosion risk in comparison to strong alkaline cleaners
- Readily Biodegradable
- Does not contain aromatic hydrocarbon solvents
- VOC free according to EC Directive 1999/13/EC

Physical & Chemical Properties

| | |
|----------------------------------|--|
| Appearance | Clear liquid / Slightly Opaque liquid. |
| Colour | Colourless / Yellow / White. |
| Solubility | Soluble in water in all proportions Soluble in most solvents in all proportions |
| Odour | Mild |
| Specific gravity | 0.95 – 1.15 @ 20°C |
| pH Value | 7.0 – 10.0 |
| Closed Cup Flash Point | >100°C |
| Flammability | Non flammable |
| Biodegradability | Readily Biodegradable |
| Vapour Pressure | <0.01kPa @ 293.5°K <0.1mmHg @ 20°C |
| Recommended Concentration in use | 15 – 30%wt |

Directions for Product Use

It is recommended that ABSOLUTE 129 should be used at concentrations of 15 – 30%wt in water but can be used at higher concentrations up to neat product as supplied or with organic solvent if deemed suitable.

This unique microemulsion cleaning product is temperature insensitive and can be used at temperatures in the range of 5°C to over 100°C. The cleaning efficiency of the product typically increases on increasing the temperature.

Following use the removed solids and pigments will settle out under gravity or via centrifugation. Any excess organics will separate out as a surface layer and may be skimmed off for recovery and / or recycling. The aqueous wash solution may then be recycled and re-used.

Following use the aqueous wash solution can finally be induced to split and rapidly phase separate (by adding calcium chloride or sodium chloride) in order to release the chemicals and other residual organic components from aqueous solution. The resulting treated water fraction may then be discharged under licence to sewer for treatment at Waste Water Treatment Works (WWTW). This provides waste minimisation at source thereby significantly reducing transport, treatment and waste disposal costs for potentially large volumes of hazardous compounds.

Handling and Packaging

ABSOLUTE 129 is safe for handling and no special procedures need be observed. Normal precautions should be observed for the safe handling and storage of all chemicals and protective clothing should be used. Refer to the product MSDS.

ABSOLUTE 129 can be manufactured both in the UK and in the USA. The product is supplied in 25L Kegs, in 200L (55 and 30 Gallon) drums, in 1000L IBCs (320 Gallon Tote Tanks), or in bulk (20 – 25MT) tankers.

Shelf Life

Concentrate ABSOLUTE 129 as supplied is stable for a period of up to 1 year provided that it is stored and handled as specified in the product MSDS.

Dilute ABSOLUTE 129 may be stable for up to 2 months provided that it is stored and handled as specified in the product MSDS.

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(EC Directive 1999/13/EC)**

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| Part Number Reference Table | |
|-----------------------------|--------------------------|
| ABSOLUTE 129 – EU1000 | EU 1000L IBCs |
| ABSOLUTE 129 – EU200 | EU 200L Drums |
| ABSOLUTE 129 – EU25 | EU 25L Kegs |
| ABSOLUTE 129 – US320 | US 320 Gallon Tote Tanks |
| ABSOLUTE 129 – US55 | US 55 Gallon Drums |
| ABSOLUTE 129 – US30 | US 30 Gallon Drums |

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