

MUTOH



**Ready for the next milestone
in sign & display printing ?**

UMS21 – Ink Specifications

Environment	
Hazardous Mark	Not required according to current CLP regulations
Operating Environment	20 to 32°C (86 to 89.6°F) / 40 to 60% RH / non-condensing
Shelf Life	18 months from the manufacturing date
Storage Conditions	5 to 35°C (41 to 104°F) / 5 to 85% RH / non-condensing *Store the product unopened. *Do not store directly on the floor. *Avoid direct sunlight.
Shipment Conditions	5 to 60°C (41°F to 140°F) / 5 to 85% RH / non-condensing *When shipping in a container via sea it is recommended to include desiccant bags.

Easy-to-use large capacity 1 liter ink packs improve work efficiency and reduce waste

UMS21-BK	1000 ml	bag	Black
UMS21-CY	1000 ml	bag	Cyan
UMS21-MA	1000 ml	bag	Magenta
UMS21-YE	1000 ml	bag	Yellow
MS41-CL (*)	300 ml	bag	Cleaner

*MS41 cleaner can be used.



One ink case is required per ink pack.

What do these pictograms mean?



This includes carcinogenic, mutagenic and reprotoxic (CMR) substances which may cause cancer, give rise to hereditary genetic disorders or have an effect on the fertility of men and/or women or which may harm the unborn child (signal word Danger) or which are suspected of having such effects (signal word Warning).



This group includes all substances that are corrosive to metals and the skin, as well as substances that can cause serious eye damage.



Hazardous to the aquatic environment (GHS09)
Substances that present or may present immediate or delayed danger to animals and/or nature.



Substances and mixtures which, in direct prolonged or repeated contact with the skin or mucous membranes, can cause inflammation. This group also comprises narcotic and skin-sensitising substances.



UMS21 NO H&S Pictograms Required!

Health / Hazard Categories Explained

- Flammability

Category 4: liquids having flashpoints above 60° C and at or below 93° C.

- Acute Toxicity

Category 5: for chemicals which are of relatively low acute toxicity but which, under certain circumstances, may pose a hazard, especially to vulnerable populations.

- Skin Corrosion/Irritation

Category 2: chemicals which produce reversible damage to the skin following application for up to 4 hours.

- Serious eye damage

- Category 1: Produces irreversible effects on the eye.
- Category 2A: Irritating to the eyes.

- Reproductive toxicity:

- Category 1B: Presumed to produce an adverse effect on reproductive ability or capacity or on development in humans.
- Category 2: some evidence from humans or experimental animals, possibly supplemented with other information, of an adverse effect on sexual function and fertility, or on development, and where the evidence is not sufficiently convincing to place the substance in Category 1.

H-codes & Related Phrases

H227 : Combustible liquid

H303 : May be harmful if swallowed

H315 : Causes skin irritation

H318 : Causes serious eye damage

H319 : Causes serious eye irritation

H360 : May damage fertility or may harm the unborn child

H361 : Suspected of damaging fertility or harmful for the unborn child

H371 : May cause damage to organs

UMS21 NO H&S Pictograms !

UMS21 – GREENGUARD Gold Certification



Indoor / Outdoor



Unrestricted Level of Use UMS21 Inks

GREENGUARD Gold Certification^H

- UMS21 inks meet the UL 2818-2013 Gold Standard for chemical emissions for building materials, finishes and furnishings (= category Wallpaper).
- UL GREENGUARD Gold indicates that products - including inks, printed substrates and the combination of both for indoor applications - contribute to healthier indoor environments by minimizing potential exposure to airborne chemicals.



^H = same level as latex inks



Unrestricted Level of Use UMS21 Inks

GREENGUARD Gold Certification

- UMS21 inks are certified at the highest level - category Wallpaper¹ (lowest emissions) and qualified as “unrestricted” to decorate a complete room.
- Category Wallpaper means :
 - Unrestricted for a fully decorated room - 33,4 m² in an office environment and 94,6 m² in a classroom environment.

BENEFITS

- Prints can be used at full room coverage, even in sensitive environments such as schools, offices and hospitals !
- Using GREENGUARD Gold inks widens the scope of applications !

1 The other categories of GREENGUARD Gold certification are :

- Category Decorative Wall = one wall of less than 10,4 m² in office environment and less than 31,6 m² in a classroom environment
- Category Signage = sign of less than 3 m² in office environment and less than 11,9 m² in a classroom environment

