

Automated Photoprocessing using Aqueous based Products


Disclaimer

This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product Safety Data Sheet (SDS), the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS. The REACH registration numbers, where applicable, complete an extended product SDS.


Operational conditions

Maximum duration	1 hour per day for delivery, storage, loading, cleaning and mixing operations. 4-8 hours per day for application.
Frequency of exposure	240 days per year.
Physical state	Aqueous solutions (aq).
Process conditions	Covers use at ambient temperatures. Provide a good standard of controlled ventilation (10 to 15 air changes per hour). Keep emissions below the occupational exposure limits of the ingredients specified in section 8 of the SDS. Avoid direct contact. Regular cleaning of equipment and work area. Supervision in place to check that Risk Management Measures (RMM's) are in place and are being correctly used and Operational Conditions (OC's) followed.

Risk management measures

Conditions and measures related to Personal Protection Equipment (PPE), hygiene and health evaluation	<p>Delivery & storage: Wear suitable gloves and labcoat.</p> <p>Application: Wear labcoat and if there is a chance of exposure wear suitable eye protection and suitable gloves.</p> <p>Loading/Cleaning/ Mixing: Wear suitable eye protection with side shield, suitable gloves and labcoat.</p> <p>Wear appropriate chemical resistant gloves: see Section 8 of the SDS.</p> <p>No respiratory protective equipment should be required under normal conditions of use provided that adequate ventilation is in place.</p> <p>Eye wash station and emergency showers are recommended.</p> <p>Avoid breathing mist/vapours.</p> <p>Avoid contact with skin, eyes and clothing.</p> <p>Training of workers in relation to proper use and maintenance of all Personal Protective Equipment (PPE) must be ensured.</p>
	

Good practice advice

<p>Use personal protective equipment (PPE) as required.</p> <p>Wash hands before breaks and after work.</p> <p>Keep good industrial hygiene and safety practice.</p> <p>Use only with adequate ventilation.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>Wash contaminated clothing before reuse.</p> <p>Store at room temperature.</p>	
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Environmental measures

Do not allow this material to drain into sewers/water supplies.
Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.
Ensure collection and disposal with appropriately licenced waste contractor.
Do not dispose of together with general office waste.

Use descriptors

- IS- Use at industrial sites.
- PW-Widespread use by professional workers.
- SU7-Printing and reproduction media.
- PC30-Photochemicals.
- PROC1-Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
- PROC2-Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions.
- PROC3- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition.
- PROC5- Mixing and blending in batch processes.
- PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities.
- PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities.
- PROC13-Treatment of articles by dipping and pouring.
- ERC6b-Use of reactive processing aid at industrial site (no inclusion into or onto article).
- ERC8b-Widespread use of reactive processing aid (no inclusion into or onto article, indoor).

Additional information on product composition

In section 2 of the SDS as well as on the label, the classification of the mixture is provided. All ingredients contributing to the classification are stated in Section 3 of the SDS. Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.

The product may contain sensitizing ingredients that may cause allergic reaction to certain people. Section 2 of the SDS states these ingredients where applicable.

Note that this will be usually the concentrate needed to create the working strength (WS) solution. In some cases the product will be RTU (Ready to Use) and will not require diluting. Hence there is a need to estimate the WS composition on a cases by case basis.

Mixing aqueous solutions creates a slightly different risk management method than mixing powders as the latter is normally done by operators wearing respirators suitable for the particle size and hazard posed by the substance(s).