Consolidated exposure scenario based on exposure scenarios of used raw materials	
Section 1- Name	
Sector of use	SU3
Process category PROC	PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC15
Environmental release category	ERC04
Section 2 – Exposure scenarios	
Product characteristics	
Physical state	liquid
Maximum concentration of substance in product (%)	100
2.1 Control of environmental exposure	
Amount used	
Annual site tonnage (t/year)	2500
Maximum daily site tonnage (kg/day)	16000
Frequency and duration of use	
Emission days - systematically release (days/year)	300
Environment factors not influenced by risk management	
Local marine water dilution factor	100
Local freshwater dilution factor	10
The input receiving surface water flow (m3/d)	Is not relevant. Discharge of wastewater into surface water is not expected.
Technical on-site conditions and measures to reduce or limit discharges, air emissions and releases to soil	
Risk from environmental exposure is driven by (type of environmental)	soil, freshwater sediment
Treat on-site wastewater (prior to receiving water discharge) to provide the required removal efficiency of (%)	Is not relevant. Wastewater treatment at local WWTPs is not expected. Waste water is disposed of as hazardous waste.
Efficiency of air emission (%)	90
Organisational measures to prevent/limit release from site	Do not apply industrial sludge (possibly solid waste) to natural soil. The sludge should be burned, monitored or reclaimed. Avoid the discharge of sewage into sewers, surface water and municipal or local WWTPs.

Conditions and measures related to municipal sewage treatment plant	Is not relevant. Avoid discharging wastewater into municipal WWTPs
Conditions and measures related to external treatment of waste for disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Conditions and measures related to external recovery of waste	External treatment and disposal of waste should be in accordance with applicable local and / or national regulations.
2.2 Control of works exposure	
Frequency and duration of use	
Daily maximum exposure (h)	8
Number of day in the week	5
Other given operational conditions affecting workers exposure	
Maximum increase of temperature during the use in comparison with ambient temperature (°C)	20
Implementation of good basic level of occupational hygiene	Yes

Contributing exposure scenario controlling worker exposure		Contributing exposure scenario controlling worker exposure
General measures	Follow the instructions in Section 2 (P-phrases) with respect to a specific risk. Use the protective equipment listed in section 8. If the product is flammable, observe the fire regulations and the instructions given in this Safety Data Sheet.	
PROC1: General exposures (closed systems)	Handle substance within a closed system. Ensure a good level of total ventilation (at least 3 to 5 times per hour to replace the air). Eye protection: Safety glasses with side protection (DIN EN 166)	
PROC1: General exposures (closed systems), with sampling		
PROC2: Processes at higher temperature (20°C above ambient temperature) - film formation, force drying, drying, curing, etc.	Ensure a good level of total ventilation (at least 10 to 15 times per hour to replace the air) or use an EN140 compliant respirator with A / P2 or higher quality filter. Eye protection: Safety glasses with side protection (DIN EN 166). Hand protection: Wear suitable gloves.	
PROC3: Material preparation, filling from drums and containers, mixing activities - closed system		

PROC4: Film formation - air drying	
PROC5: Material preparation, mixing activities (opened systems)	
PROC8b: Material transfer, filling/draining in specialized equipment	
PROC8a: Material transfer, filling/draining in unspecialized equipment	
PROC9: Transfer of material from small vessels, filling lines specialized (reduced exposure)	
PROC7: Spraying (automatic/robotic)	Perform in ventilated chambers with laminar airflow. Eye protection: Safety glasses with side protection (DIN EN 166)
PROC7: Spraying by manual application	Ensure a good level of total ventilation (at least 10 to 15 times per hour to replace the air) or use an EN140 compliant respirator with A / P2 or higher quality filter. Eye protection: Safety glasses with side protection (DIN EN 166). Hand protection: Wear suitable gloves.
PROC10: Roller, sprayer, flow, brush application	
PROC13: Dipping, immersion and pouring	
PROC15: Laboratory activities	
PROC8a: Clean-down and maintenance of equipment	Before shutting down equipment or maintenance rinse and drain the system. Eye protection: Safety glasses with side protection (DIN EN 166). Hand protection: Wear suitable gloves.
PROC1, PROC2: Storage	Storage in closed system. Eye protection: Safety glasses with side protection (DIN EN 166). Hand protection: Wear suitable gloves.
Section 3 – Exposure estimation	
3.1 Health	For exposure estimation was used tool ECETOC TRA. If the DN (M) EL values are known, refer to section 8 of the SDS. When the operating conditions are met, RCR <1 is assumed
3.2 Environmental	For exposure estimation was used model EUSES. If the PNEC values are known, refer to section 8 of the SDS. When the operating conditions are met, RCR <1 is assumed
Section 4 – Guidance to check compliance with the exposure scenario	
4.1 Health	In the case of the application mentioned in section 2 estimates, the exposure will probably not exceed the DN (M) EL values. The instruction is based on assumed operating conditions, which may not apply to all workplaces; it is likely that scaling is required to define appropriate risk management measures at a particular workplace.

	Where risk management / operating conditions are implemented, users should ensure risk management at least at equivalent levels. Scaling, see http://www.ecetoc.org/tra
4.2 Environmental	The recommendation is based on assumed operating conditions, which may not apply to all locations; therefore, scaling may be necessary to define suitable site-specific risk management measures. For more information on scaling and control technologies, refer to the SpERC Basic Factsheet Overview (http://cefic.org/en/reeachfor-industries-libraries.html).