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Sadesa Restricted Substances Policy – Wet Blue Leather

SADESA is fully aware of the need to protect our workers and the environment and based on the relevance of this issue, the Company supports limiting the use of substances defined as hazardous in the manufacturing process of its products.

The restriction of use of hazardous substances is also significantly important for our customers and that´s why our suppliers are expected to assist us to achieve the objective of full compliance with the restrictions on hazardous substances listed in this Policy and any other products or substances which may be restricted now or in future in all countries we do business.

SADESA is fully committed to work with the ZDHC MRSL (Zero Discharge of Hazardous Chemicals, Manufacturing Restricted Substances List) program, which relies on a listing of families of restricted substances for formulations used during the leather manufacturing processes. Acceptable concentration limits for each substance of family of substances is established, which can appear both as impurities or by-products in formulations used at the manufacture facilities.

Suppliers are responsible to ensure that content of each substance listed in the present Policy does not exceed the maximum allowed values.

Sampling and Testing System
To verify compliance with statements herein, each supplier shall annually send a report with the tests carried out at a certified laboratory (ISO 17025) for the wet blue delivered at SADESA.

SADESA may perform sampling and testing on purchased products.
If any of the required agents is detected/exceeding limits, this would entail a transfer of responsibility upon an eventual claim and the test expenses generated will be debited to the supplier.

Testing Institutes
Testing institutes must be familiar with the corresponding testing methods and the following ones are recommended: Eurofins-BLC, SATRA, TÜV, INTERTEK, IQTC.

Any other institute officially accredited and certified in accordance with DIN/EN 45001 or DIN/ISO/IEC 17025 can also be used for testing.

We kindly ask you to sign the following statement of compliance:

The undersigned, a duly qualified Representative of the company, does hereby certify that all products and their components produced and shipped to SADESA factories comply with the SADESA Policy for Restricted Substances and meet all requirements included in the list and does assume the commitment to periodically validate said list on the link www.sadesa.com/sustainability/restrictedsubstances/

We further agree to be held for all costs incurred by SADESA and its customers, should any of the substances contained in our products breach contents of this Policy.

We confirm that we have received, read and fully understand the SADESA Policy for Restricted Substances.

Signature _____

Name _____

Title/Position _____

Company _____

Date _____

Restrictive Substance	CAS	TLV	Pre-treatment	Test Method
Σ Alkyl phenols (e.g. NP, OP, etc)		n.d.	Extraction with THF	GC/MS ó LC/MS (detection limit 10ppm)
Σ Alkyl phenols ethoxilates (e.g. NPEO, OPEO, etc)		n.d.	DIN EN ISO 18218-1 (2016)	DIN EN ISO 18218-1 (2016) (detection limit 10ppm)
Arsenic –extractable-	7440-38-2	0.2 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)
Arsenic –total-	7440-38-2	1 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)
Chrome VI –extractable-	7440-47-3 18540-29-9	3 ppm	DIN EN ISO 17075-1 (2017) or DIN EN ISO 17075-2 (2017) or LFGB §64 82.02-11(2008) Aging of the sample is required according to BS ISO 10195 (2018) Method A2 (24h, 80°C, max. 10%rH, usage of a non-ventilated oven)	DIN EN ISO 17075-1 (2017) or DIN EN 17075-2 (2017) or LFGB §64 82.02-11(2008)
Cresol	All isomers 1319-77-3	n.d.	---	GC-MS TEST
Formaldehyde –extractable-	50-00-0	16 ppm	DIN EN ISO 17226-1 (2019) DIN EN ISO 17226-2 (2019)	
Lead -extractable-	7439-92-1	0.2 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017) or DIN 38406, E6 (1998)
Lead –total-	74399-2-1	1 ppm	DIN EN ISO 17072-2 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017) or DIN 38406, E6 (1998)
Mercury –extractable-	7439-97-6	0.02 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 12846 (2012) or DIN EN ISO 17294-2 (2017)
Mercury –total content-	7439-97-6	0.5 ppm		DIN EN ISO 17072-2:2017
o-phenyl-phenole (o-PP)		50 ppm	Extraction with KOH (16h at 90ºC) Derivatization acc. to ISO 17070 (2015)	GC-MS TEST ó DIN EN ISO 13365 (2011)
Triclosan	3380-34-5	50 ppm	extraction with KOH	DIN EN ISO 13365 (2011)
Pentachlorophenole (PCP)	87-86-5	0.05 ppm	Extraction with KOH (16h at 90ºC) Derivatization acc. to ISO 17070 (2015)	GC-MS TEST
2,4,6-Trichlorophenole (TriCP)	88-06-2	0.05 ppm	Extraction with KOH (16h at 90ºC) Derivatization acc. to ISO 17070 (2015)	GC-MS TEST
2,4,5-Trichlorophenole (TriCP)	95-95-4	0.05 ppm	Extraction with KOH (16h at 90ºC) Derivatization acc. to ISO 17070 (2015)	GC-MS TEST
Tetrachlorophenol -TeCP-	all isomers	0.05 ppm	Extraction with KOH (16h at 90ºC) Derivatization acc. to ISO 17070 (2015)	GC-MS TEST
Phenol	108-95-2	n.d.	---	EN 71-9 (2007) (TLV) EN 71-10 (2006) (Method)
Tin – screening test for organotins	7440-31-5	0.1 ppm	---	Total metal content by microwave digestion and ICP or AAS analysis
Σ Pesticides & Insecticides		0.5 ppm	Extraction with acetone/hexane	GC-MS
α-Hexachlorcychlohexane	319-84-6			
γ-Hexachlorcyclohexane	608-73-1			
2-(2,4,5-trichlorophenoxy) propionic acid (2,4,5-TP), its salts, and 2-(2,4,5-trichlorophenoxy) propionyl compounds				
2,4,5-T	95-95-4			
2,4,5-trichlorophenoxyacetic acid (2,4-T), its salts and 2.4,5-trichlorophenoxyacetyl compounds				
2,4-D	94-75-7			

Restrictive Substance	CAS	TLV	Pre-treatment	Test Method
Aldicarb	116-06-3			
Aldrine	309-00-2			
Alpha and Beta Endosulfanes	115-29-7			
Carbaryle	63-25-2			
Captafol	2425-06-1			
Chlordane	57-74-9			
Chlordecone (kepone)	143-50-0			
Chlordimeform	6164-98-3			
Chlorfenvinphos	470-90-6			
Chlorobenzilate	510-15-6			
Chlorthalonil	All isomers			
Cyhalothrin	91465-08-6			
DDD	72-54-8			
DDE	72-55-9			
DDT	50-29-3			
Deltamethrin	52918-63-5			
Diazinon	333-41-5			
Dichlofenthion	97-17-6			
Dichlofluanide	1085-98-9			
Dicofol	115-32-2			
Dieldrine	60-57-1			
Dinoseb, its salts & compounds	88-85-7			
Endosulfanes				
Endrine	72-20-8			
Ethylparathione –Parathion-	56-38-2			
Fenchlorphos	299-84-3			
Fenvalerate	51630-58-1			
Halogenated diarylalkanes				
Halogenated diphenyl methanes				
Halogenated naphtthalenes				
HCH's without Lindane				
Heptachlor	76-44-8			
Heptachloroepoxide	1024-57-3			
Hexachlorobenzene	118-74-1			
Isodrine	465-73-6			
Kelevane	4234-79-1			
Kepone	143-50-0			
Lindane	58-89-9			
Malathione	121-75-5			
Methoxychlor	72-43-5			
Methyl Parathion	298-00-0			
Mirex	2385-85-5			
Monocrotophos	6923-22-4			
Monomethyl-dibromo-diphenyl methane	99688-47-8			
Monomethyl-dichloro-diphenyl methane	81167-70-8			

Restrictive Substance	CAS	TLV	Pre-treatment	Test Method
Monomethyl-tetrachloro-diphenyl methane	76253-60-6			
Pentachloroanisole	1825-21-4			
Permethrine	52645-53-1			
Perthane	72-56-0			
Quintozene	82-68-8			
Strobane	8001-50-1			
Telodrin	297-78-9			
Timiperone (DTTB)	57648-21-2			
Tolylfluanide	731-27-1			
Toxaphene	8001-35-2			
Trifluraline	1582-09-8			
β-He xachlorcyclohexane	58-89-9 319-85-7			
ZDHC MRSL https://mrsl.roadmaptozero.com/				
Reach list (except for those substances included specifically in this RSL which TLV is more demanding) http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp		n.d.		

tlv = threshold limit value
ppm = mg/kg
n.d.= not detected