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Sadesa Restricted Substances Policy & MRSL – 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 program (Zero Discharge of Hazardous Chemicals, Manufacturing Restricted Substances List) version 3.1 Chapter 1 (https://www.roadmaptozero.com/input#msrl), 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 must have a report with the tests carried out annually 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 refer to content in leather	Pre-treatment	Test Method
Substances included on IARC's list Group I as per last revision, http://monographs.iarc.fr/ENG/Classification/latest_classif.php		n.d.		
Teratogenic Substances		n.d.		
Mutagenic Substances		n.d.		
Substances with risk of damage to fertility and fetus (Reproductive Toxicity)		n.d.		
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. (*)		
Alkylphenols & Alkylphenols Ethoxylates				
Σ Alkyl phenols (e.g. NP, OP, etc)		n.d.	DIN EN ISO 21084 (2019)	DIN EN ISO 21084 (2019) (detection limit 10ppm)
Σ Alkyl phenols ethoxilates (e.g. NPEO, OPEO, etc)		n.d.	DIN EN ISO 18218-1 (2015)	DIN EN ISO 18218-1 (2015) (detection limit 10ppm)
Chlorophenols				
Σ Pentachlorophenol (PCP), Tetrachlorophenol (TeCP) and Trichlorophenol (TriCP)		0.05 ppm	DIN EN ISO 50009 (2021)	DIN EN ISO 50009 (2021)
Formaldehyde				
Formaldehyde –extractable-	50-00-0	16 ppm	DIN EN ISO 17226-1 (2021) DIN EN ISO 17226-2 (2021)	
Heavy Metals –extractable-				
Antimony (Sb)	7440-36-0	5 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)
Arsenic (As)	7440-38-2	0.2 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)
Barium (Ba)	7440-39-3	1000 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)
Cadmium (Cd)	7440-43-9	0.1 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)
Chrome VI (CrVI)	7440-47-3 18540-29-9	3 ppm	DIN EN ISO 17075-1 (2017) or DIN EN ISO 17075-2 (2017 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)
Chromium (Cr) **- not applicable to tanning or retanning products based on Chrome III salts-**	7440-47-3	1 ppm	DIN EN ISO 16711-2 (2016)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)

Restrictive Substance	CAS	TLV refer to content in leather	Pre-treatment	Test Method
Cobalt (Co)	7440-48-4	1 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)
Copper (Cu)	7440-50-8	25 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)
Lead (Pb)	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
Mercury (Hg)	7439-97-6	0.02 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 12846 (2012) or DIN EN ISO 17294-2 (2017)
Nickel (Ni)	7440-02-0	0.5 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)
Selenium (Se)	7782-49-2	500 ppm	DIN EN ISO 17072-1 (2019)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)
Heavy Metals –total content-				
Arsenic (As)	7440-38-2	10 ppm	DIN EN ISO 17072-2 (2022)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017)
Cadmium (Cd)	7440-43-9	40 ppm	DIN EN ISO 17072-2 (2022)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017) or
Lead (Pb)	7439-92-1	40 ppm	DIN EN ISO 17072-2 (2022)	DIN EN ISO 11885 (2009) or DIN EN ISO 17294-2 (2017) or
Mercury (Hg)	7439-97-6	0.5 ppm	DIN EN ISO 17072-2 (2022)	DIN EN ISO 12846 (2012) or DIN EN ISO 17294-2 (2017)
Organotins Compounds				
Dibutyltin (DBT)	1002-53-5	0.2 ppm	ISO/TS 16179 (2012)	
Dioctyltin (DOT)	15231-44-4	1 ppm	ISO/TS 16179 (2012)	
Monobutyltin (MBT)	787863-54-9	1 ppm	ISO/TS 16179 (2012)	
Monooctyltin (MOT)	94410-07-8	0.5 ppm	ISO/TS 16179 (2012)	
Tributyltin (TBT)	56573-85-4	0.025 ppm	ISO/TS 16179 (2012)	
Tricyclohexyltin	3091-32-5	1 ppm	ISO/TS 16179 (2012)	
Trimethyltin (TMT)	-	1 ppm	ISO/TS 16179 (2012)	
Trioctyltin (TOT)	2587-76-0	1 ppm	ISO/TS 16179 (2012)	
Triphenyltin (TPhT)	668-34-8	0.5 ppm	ISO/TS 16179 (2012)	
Tripropyltin	2279-76-7	1 ppm	ISO/TS 16179 (2012)	
Σ Tri substituted organotin compounds		1000 ppm refer to tin content	ISO/TS 16179/2012	
Organotin compounds – Others		0.050 ppm	With methanolic buffer with carbamate	Acc. To ISO 17353 (2005)
o-PP				
o-phenyl-phenol (o-PP) & its salts	90-43-7	50 ppm	DIN 50009 (2021) or DIN EN ISO 13365-1 (2020)	DIN 50009 (2021) or DIN EN ISO 13365-1 (2020)

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Pesticides & Insecticides				
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			
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			

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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			
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			
Triclosan	3380-34-5	50 ppm	extraction with KOH	DIN EN ISO 13365 (2011)

Restrictive Substance	CAS	TLV refer to content in leather	Pre-treatment	Test Method
Butylated Hydroxytoluene (BHT)	128-37-0	n.d.	---	HPLC
Cresol	All isomers 1319-77-3	n.d.	---	GC-MS TEST
Phenol				
Phenol	108-95-2	10 ppm	---	EN 71-9 (2007) (TLV) EN 71-10 (2006) (Method)
Boric Acid				
Boric acid	10043-35-3 11113-50-1	100 ppm	---	GC-MS TEST

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