Regulatory Information Mesamoll®

Finishing Brands - Part No.: 0114-016099 & 0114-009433

	Mesamoll
Chemical name:	Alkylsulphonic acid phenyl ester
CAS-No.	91082-17-6 Europe, Australia, Korea, China, New Zealand, Philippines 70775-94-9 USA and Canada
EC-No.	293-728-5
Reach registration number	01-2119485386-26-0000
PM-REF.	34240

Chemical inventory status:

EU (ELINCS)	yes	see above
USA (TSCA)	yes	
Canada (DSL)	yes	
Japan (ENCS)	yes	6-2656
South Korea (ECL)	yes	KE-32484
Australia (AICS)	yes	
Philippines (PICCS)	yes	
China (IECSC)	yes	
New Zealand	yes	

Compliance to various EU regulations:

Directive 2002/95/EC (RoHS-Requirements) and its successor 2011/65

- lead
- mercury
- cadmium
- hexavalent chromium
- polybrominated biphenyls (PBB)
- polybrominated diphenyl ethers (PBDE)

are not intentionally added.
In a chemical analysis of the product, the metals are below the detection limit of:

lead	< 0.1 mg/Kg
mercury	< 0.1 mg/Kg
cadmium	< 0.1 mg/Kg
chromium (VI)	< 0.1 mg/Kg (as Cr total)
PBB	not analyzed, but not intentionally added and not known to be present above trace level
PBDE	not analyzed, but not intentionally added and not known to be present above trace level

Directive 2006/122/EC (Perfluorooctane sulfonates, PFOS)

PFOS or –derivatives are not intentionally added and not known to be present above trace level.

Commission decision of 17 March 2009 requiring Member States to ensure that products containing the biocide dimethylfumarate are not placed or made available on the market

Dimethylfumarate has not intentionally been added and is not known to be present above trace level, we expect the legal limit to be kept.

Directive 2003/53/EC (nonylphenol, nonylphenol ethoxylate and chromium VI containing cement).

Due to the production process, the product should not contain any

- Nonylphenol
- Nonylphenol ethoxylate
- Hexavalent chromium (see above)

above trace level because these substances are not intentionally added.

Directive 2002/16/EC and RgIt 1895/2005 [epoxy derivatives]

Our material is in line with a.m. EU legislation.

Heavy metals + hazardous substances:

Our product is in line with dir 94/62/CE (equivalent to CONEG) and 67/548/CE + its amendments

Food contact regulations

European Union	Listed in Regulation No. 10/2011 of 14 January 2011; FCM substance No. 884, SML 0,05mg/kg
Switzerland:	It is as well listed in „Schweizer Bedarfsgegenständever-ordnung SR 817.023.21“, Annex 6 Part A „Evaluated Substances“, SML as above
Japan:	Hygienic PVC Association, No. L-7941
China	Listing in the GB-Standard 9685-2008 for Food Contact Application in progress

Textile:

GOTS:

The general requirements and specifications of a.m. regulation in as far as they affect the product stated above, are fulfilled by **Mesamoll®**.

Oekotex 100:

The same is valid for Oekotex

Toys Status

We hereby confirm that Mesamoll complies with **European Toys Standard EN 71-3:1994+ A1:2000 + AC:2002, (Safety of Toys Part 3, Migration of certain elements)** with regard to metal content; the content of heavy metal traces is far below the required limits specified in this standard, for 2009/48/EC see table on page 4.

Mesamoll also complies with European legislation

Directive 2005/84/EC amending for the 22nd time Council Directive 76/769 (Phthalates in toys and childcare articles).

Phthalate (exemplarily analyzed – ppm)

	1	DL
Dimethyl phthalate (DMP)	n.d.	1
Diethyl phthalate (DEP)	n.d.	1
Dibutyl phthalate (DBP)	3.	1
Dipentyl phthalate (DPP)	n.d.	1
Butyl benzyl phthalate (BBP)	n.d.	1
Bis (2-ethylhexyl phthalate (DEHP)	n.d.	1
Diiso nonyl phthalate (DINP)	n.d.	1
Diisodecyl phthalate (DIDP)	n.d.	1
Diiso butyl phthalate (DIBP)	n.a.	nia*
Dinonyl phthalate (DNP)	n.a.	nia
Diisooctyl phthalate (DIOP)	n.a.	nia
Dipropyl phthalate (DPrP)	n.a.	nia
Dicyclohexyl phthalate (DCHP)	n.a.	nia
Dibenzyl phthalate	n.a.	nia
Diphenyl phthalate	n.a.	nia
Di-n-hexyl phthalate (DHP)	n.a.	nia
Di-n-octyl phthalate (DNOP)	n.a.	nia

* not analyzed, but not intentionally added and not known to be present above trace level

US CSPA (#):

No molecules - listed here

http://www.ecy.wa.gov/programs/swfa/cspa/chcc.html

are intentionally used for the final production step of our product **Mesamoll®**, some of them can be present on trace level from the synthesis or as impurities from raw materials: Therefore they are regarded as contaminants for which the following is valid:

https://fortress.wa.gov/ecy/publications/publications/wac173334.pdf

"Contaminant" means trace amounts of chemicals that are incidental to manufacturing. They serve no intended function in the product component. They can include, but are not limited to, unintended by-products of chemical reactions during the manufacture of the product component, trace impurities in feed-stock, incompletely reacted chemical mixtures, and degradation products.

WAC 173-334-080 What must the manufacturer include in its notice to the department? (1) The notice required by RCW 70.240.040 must be filed annually with the department in accordance with the following:

(a) Each chemical on the CHCC list that is an intentionally added chemical present in a product component must be reported at any concentration above the PQL.

(b) Each chemical on the CHCC list that is a contaminant present in a product component must be reported at any concentration above 100 ppm. A manufacturer need not file a notice with respect to any CHCC that occurs in a product component only as a contaminant if the manufacturer had in place a manufacturing control program and exercised due diligence to minimize the presence of the contaminant in the component.

http://www.ecy.wa.gov/programs/swfa/cspa/

Miscellaneous Compounds:

Polycyclic aromatic hydrocarbons (PAH)

In a chemical analysis of the product, we looked for the 16 US EPA priority PAHs that are

Polynuclear Aromatic Hydrocarbons (PAHs)

	CAS-No.	1
Naphthalene (NAP)	91-20-3	n.d.
Acenaphthylene (ANY)	208-96-8	n.d.
Acenaphthene (ANA)	83-32-9	n.d.
Fluorene (FLU)	86-73-7	n.d.
Phenanthrene (PHE)	85-01-8	n.d.
Anthracene (ANT)	120-12-7	n.d.
Fluoranthene (FLT)	206-44-0	n.d.
Pyrene (PYR)	129-00-0	n.d.
Benz (a) anthracene (BaA)	56-55-3	n.d.
Chrysene (CHR)	218-01-9	n.d.
Benzo (b) fluoranthene (BbF)	205-99-2	n.d.
Benzo (k) fluoranthene (BkF)	207-08-9	n.d.
Benzo (a) pyrene (BaP)	50-32-8	n.d.
Indeno (1,2,3-cd) pyrene (IPY)	193-39-5	n.d.
Dibenz (a,h) anthracene (DBA)	53-70-3	n.d.
Benzo (g,h,i) perylene (BPE)	191-24-2	n.d.
Total of above PAHs	not analyzed but calculated, see below	

-In total, a quantity of less than 2 mg/Kg of the PAHs was found.
Detection limit 0.05 mg/kg. Acenaphthylene 0,5mg/kg

Analysis of dedicated chemical elements (2009/48/EC and EN 71-3: 2012-05 draft)

In a chemical analysis of the product the following elements are measured

Analytical parameter	Unit	Result
Ag Al As Au B Ba Bi Ca Cd Ce Co Cr(*) Cu Fe Ga Hg In Ir K Li		covered elements
Mg Mn Mo Na Nd Ni Os Pb Pd Pt Rb Sb Se Sn Sr Ti Tl V Zn Zr		covered elements
detection limit	mg/kg	0,1
elements with detection limit	mg/kg	Se<1
not determined elements		-
range > 10.000	mg/kg	-
range 1.000 – 10.000	mg/kg	-
range 500 – 1.000	mg/kg	-
range 100 – 500	mg/kg	-
range 50 – 100	mg/kg	-
range 10 – 50	mg/kg	-
range 5 -10	mg/kg	-
range 1- 5	mg/kg	Ca
range 0,1 – 1	mg/kg	Na, Al, K, Fe

not specified elements are below their detection limit

The migration limit values requested from a.m. regulation and the norm draft are kept(*), because the total content of each metal is lower. * Exception a value for Cr(VI) has not been analysed: Cr total is below 0,1ppm.

Analysis of educt Phenol:

This value is not part of the specification – statistical average value:
Phenol < 25 mg/Kg

Product origin, BSE/TSE-risk, Genetic modified organisms (GMO)

The product is solely produced of synthetic raw materials, and no material used during the production process is of bovine or any other animal origin. No materials used are derived from genetically modified substances.

Phthalates, Bisphenol A, NODGE and BADGE:

For the production of **Mesamoll®** the a.m. substances are not intentionally used and it is in a practical sense "free" of them

QM/UM-Certificates

For Lanxess certificates please follow this link:
http://lanxess.com/en/corporate/about-lanxess/certificates/

Technical Data Sheet incl. specification:

http://www.experts4additives.de/pma/en/products/plasticizers/?show=3#mesamoll

All other analytical results mentioned in this data sheet are not part of the specification.

Status: 2012-September