Product Screening Form – auxiliaries, dyestuffs and finishing agents

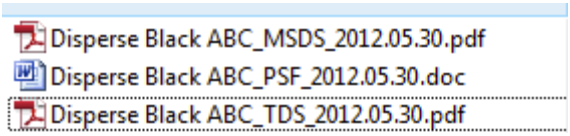
The "Product Screening Form" PSF is a tool for data collection which must be completed by the supplier of the chemical product. In combination with "Material Safety Data Sheet" MSDS and the "Technical Data Sheet" TDS it is the basis for an EHS-assessment of the product by bluesign technologies.
A duly filled PSF is a prerequisite for tolerating this product for temporary usage at the requesting company. Certification of the product as "bluesign® approved" requires a bluesign® system partnership.

All information will be handled with absolute confidentiality. On request, a confidentiality agreement can be signed prior to completing the PSF.

Please separately enclose MSDS and TDS in English. The information provided in the PSF and in the MSDS must be based on GHS or European Regulations concerning classification/ labelling.

Please name the files as follows:

Chemical tradename_MSDS|PSF|TDS_date (yyyy.mmm.dd)



Revised documents must be marked with the revision number.
e.g. Disperse Black ABC_PSF_1_2012.06.15

Send back directly to "psf@bluesign.com"

The attached "bluesign® system substances list - BSSL" is the reference document for evaluation.

Click here for the link to the bluesign® system substances list

Please process the PSF-worksheet as follows:

- PSF must be filled and signed by the supplier of the chemical product
- For each product a separate PSF worksheet in English must be provided
- Part "3. Substances listed in the bluesign® standard substances list"
  Table must be filled only if product contains/ might contain any component which is listed in the BSSL or other critical substances.
- Send back directly to "psf@bluesign.com"

For any question please contact bluesign technologies ag | +41 71 2722990 | psf@bluesign.com.

1. General Information

Product name:	HUNTEX HB-4212N
Product supplier:	HUNG XUONG CHEMICAL CO., LTD.
Contact details ***Name:*** ***Title/Position:*** ***Email:*** ***Phone:***	 THAI KIEM LINH Supporter Manager phongvattu@hungxuong.com.vn 84-028-39610618/28 Ext: 108
Identification No.[a]:	HBT-33
Type of chemical:	☐ *Pretreatment agents* ☒ *Finishing agents* ☐ *Dyestuffs and Pigments* ☐ *Water based coating agents* ☐ *Dyeing/ Printing auxilliaries* ☐ *Aftertreatment agents (to be fixed on the fibre)* ☐ *others, pls specify*
Group according to bluesign® product groups*	4 (4.5.3)
Chemical description[b] and CAS number:	Siloxane(71750-79-3) 3.5% ; 2-((1-((2-ethylhexyl)poly-oxy)poly-propan-2-yl)oxy)ethanol(64366-70-7) 2.4%; Acid acetic(64-19-7) 0.05%; fatty acid ester(no cas) 1.5%; Alcohols, ethoxylated 0.5%
Colour Index (C.I.) and CAS number **(for dyestuffs and Pigments only)**	
Standardization agents and CAS number **(for dyestuffs and Pigments only)**	
Application process:	☒ *Exhaust* ☒ *Pad* ☐ *Coat* ☐ *others, pls specify*
Description of use[c]:	Softening agent
Product using company	

a Use the individual product key, article code, material number

b Enter type of chemistry the product is based on, e.g. fatty alcohol ether, silicone

c Describe for what purpose the product is mainly used**,** e.g. bleaching, levelling agent

* The bluesign® product groups are based on TEGEWA nomenclature

Please click here for the list: bluesign-Groups.pdf

2. Specifications – Wastewater | Toxicology | Air Emission

2.1. Wastewater Parameters

Wastewater Parameters	Method	Value	Unit	S[d]	Method | Comment
Biodegradability					
standard method	OECD 302 B	25.3	%		BOD/COD
or alternative	OECD 301 A-F, 303 A, 310 specify method used		%		
COD	DIN 38409-41 also cuvette test if reliable	154	mg/g		Cuvette test, dichromate, USEPA 410.4
or TOC	DIN EN 1484		mg/g		
BOD_5	DIN EN 1899-1	39	mg/g		SMEWW 5210B:2012
Aquatic toxicity					
against fish	OECD 203 / LC50 / 96h	> 100	mg/L		based on GHS Classification
or against daphnia	OECD 202 / EC50 / 48h		mg/L		
or against algae	OECD 201 / EC50 / 72h		mg/L		
Aquatic toxicity against bacteria	OECD 209 / IC50 / 3h		mg/L		
WGK (water hazard class) only in Germany	Class 1, 2 or 3 (German classification scheme)				
ARS (wastewater relevance level) not relevant for dyestuffs	Class I, II or III (German classification scheme)				
P, total	DIN EN ISO 11885[e]	0	%		materials don't contain P
N, total	DIN EN 12260 (TNb) or DIN EN 15663 (TKN)e	1.7	%		Cuvette test, chromotropic acid
Aliphatic hydrocarbons	[e]		%		
Organo halogen (AOX) for reactive dyes, only non-hydrolysable AOX content relevant	DIN EN ISO 9562e		%		
Fluorine mostly relevant for Fluorcarbons	Wickbold incineration DIN 38405-4e		%		

Comments:

2.2. Irritancy and sensitization

Irritancy and Sensitization	Method			Sd	Comment
Irritancy skin	OECD 404	☐ Pos	☒ Neg		based on GHS classification
Irritancy eye	OECD 405	☐ Pos	☒ Neg		based on GHS classification
Sensitization skin	OECD 406	☐ Pos	☒ Neg		based on GHS classification
Experiences at the human being available?		☐ Yes	☒ No		
If Yes, please specify:					

Comments:

2.3. Toxicity

Toxicity	Method	Value	Unit	Sd	Comment
Acute oral toxicity	OECD 401, 420, 423 / LD50 (specify method used)	> 2500	mg/kg		based on GHS classification, the product don't contain hazardous ingredients to Acute oral toxicity
if available provide data for:					
Acute dermal toxicity	OECD 402 / LD50		mg/kg		
Mutagenicity / AMES test	OECD 471	☐ Pos	☒ Neg		based on GHS classification
Chromosome aberration test	OECD 473	☐ Pos	☒ Neg		based on GHS classification

Comments:

2.4. Air Emission Parameters (only for Finishing and Coating Agents)

Air Emission Parameters	Method	Value	Unit	Sd	Comment
Organic carbon (Polyester)	Emission factor concept 160 - 180°C | 2minutes	???	g org.C / kg		calculate TOC
Organic carbon (Cotton)	Emission factor concept 160 - 180 °C | 2minutes	???	g org.C / kg		calculate TOC

Comments:

2.5. Components of high concern

Components	declaration limit >	present? no	present? yes	if yes, pls specify Chemical name and CAS Number	if yes, pls specify quantity	if yes, pls specify Unit
APEO						
■ NPEO, OPEO	100mg/kg	☒	☐			mg/kg
						mg/kg
■ NP, OP	10 mg/kg	☒	☐			mg/kg
						mg/kg
Condensation products of fatty acid derivatives with AEEA (Aminoethylethanolamine)	100mg/kg	☒	☐			mg/kg
						mg/kg
						mg/kg
						mg/kg

3. Substances listed in bluesign® standard substances list

In case the product contains any substances listed in the BSSL or any other critical substance or in case those substances might be formed during application of the product those substances must be listed in detail in table 3.1.

Chemical substance	CAS Number	unit	quantity	intentional component[1]	unintentional component[2]	released component[3]
Ethylene oxide	75-21-8	mg/kg	<1	☐	☒	☐
1,4- dioxane	123-91-1	mg/kg	<1	☐	☒	☐
D4 -SILOXANE	556-67-2	mg/kg	46.6	☐	☒	☐
Glycols		mg/kg	<5	☐	☒	☐
Acetic Acid	64-19-7	mg/kg	500	☒	☐	☐
		mg/kg		☐	☐	☐

Table 3.1

The accuracy and reliability of data provided must be met in every case, so as to ensure that the consumer safety limits given in BSSL are met at any time.

Comments:
the detection limit of the method of 2-(2 methoxyethoxy)-ethanol is < 1.0 mg/kg

We confirm that the assessed product does not contain any of the substances listed in the "bluesign® standard substances list – BSSL" or any other critical substances or lead to the formation of any such substances during application **except those listed in Table 3.1.**

Ho chi minh city, May 3, 2019
Place and Date

THAI KIEM LINH/ supporter manager,
Name | Function

[d] Source of data: A: Analogy | C: Calculated | M: Measured
Wherever possible provide measured data.
[e] Calculating the data is accepted

1 Substance is an intentional component of the product
2 Substance is an unintentional impurity or by-product of the product
3 Substance may be released under recommended application conditions