

## 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

<b>Product name:</b>	HUNTEX DL-213
<b>Product supplier:</b>	HUNG XUONG CHEMICAL CO., LTD.
<b>Contact details</b> <b>Name:</b> <b>Title/Position:</b> <b>Email:</b> <b>Phone:</b>	THAI KIEM LINH Supporter Manager phongvattu@hungxuong.com.vn 84-028-39610618/28 Ext: 108
<b>Identification No.<sup>a</sup>:</b>	DMPT-433
<b>Type of chemical:</b>	<input type="checkbox"/> Pretreatment agents <input type="checkbox"/> Finishing agents <input type="checkbox"/> Dyestuffs and Pigments <input type="checkbox"/> Water based coating agents <input checked="" type="checkbox"/> Dyeing/ Printing auxiliaries <input type="checkbox"/> Aftertreatment agents (to be fixed on the fibre) <input type="checkbox"/> others, pls specify
<b>Group according to bluesign<sup>®</sup> product groups*</b>	3 (3.2&3.4 )
<b>Chemical description<sup>b</sup> and CAS number:</b>	polyoxyethylene oleate ,polyoxyethylene styrenate aryl , tristyrylphenol ethoxylate, polyethylene glycol ester and other surfactants ( 119432-41-6; 70559-25-0; 9004-96-0; 67-63-0 ; 111-76-2)
<b>Colour Index (C.I.) and CAS number (for dyestuffs and Pigments only)</b>	
<b>Standardization agents and CAS number (for dyestuffs and Pigments only)</b>	
<b>Application process:</b>	<input checked="" type="checkbox"/> Exhaust <input type="checkbox"/> Pad <input type="checkbox"/> Coat <input type="checkbox"/> others, pls specify
<b>Description of use<sup>c</sup>:</b>	Dispersing and levelling agent
<b>Product using company</b>	

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<sup>®</sup> 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 <sup>d</sup>	Method   Comment
Biodegradability					
standard method	OECD 302 B	43.45	%	C	BOD5/COD
or alternative	OECD 301 A-F, 303 A, 310 specify method used		%		
COD	DIN 38409-41 also cuvette test if reliable	1275	mg/g	M	Cuvette test, dichromate, USEPA 410.4
or TOC	DIN EN 1484		mg/g		
BOD <sub>5</sub>	DIN EN 1899-1	554	mg/g	M	SMEWW 5210B:2012
Aquatic toxicity					
against fish	OECD 203 / LC50 / 96h	>10	mg/L	C	>10-≤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 <sup>e</sup>	0	%		materials don't contain P
N, total	DIN EN 12260 (TNb) or DIN EN 15663 (TKN) <sup>e</sup>	9.6	%	M	Cuvette test, chromotropic acid.
Aliphatic hydrocarbons	<sup>e</sup>	0	%		materials don't contain aliphatic hydrocarbons
Organo halogen (AOX) for reactive dyes, only non-hydrolysable AOX content relevant	DIN EN ISO 9562 <sup>e</sup>	0	%		
Fluorine mostly relevant for Fluorocarbons	Wickbold incineration DIN 38405-4 <sup>e</sup>	0	%		

Comments:

## 2.2. Irritancy and sensitization

Irritancy and Sensitization	Method			S d	Comment
Irritancy skin	OECD 404	<input checked="" type="checkbox"/> Pos	<input type="checkbox"/> Neg	C	based on GHS classification
Irritancy eye	OECD 405	<input checked="" type="checkbox"/> Pos	<input type="checkbox"/> Neg	C	based on GHS classification
Sensitization skin	OECD 406	<input type="checkbox"/> Pos	<input checked="" type="checkbox"/> Neg		not classified
Experiences at the human being available?		<input type="checkbox"/> Yes	<input type="checkbox"/> No		
If Yes, please specify:					

Comments:

## 2.3. Toxicity

Toxicity	Method	Value	Unit	S d	Comment
Acute oral toxicity	OECD 401, 420, 423 / LD50 (specify method used)	> 2500	mg/kg	C	not classified
if available provide data for:					
Acute dermal toxicity	OECD 402 / LD50	> 2500	mg/kg	C	not classified
Mutagenicity / AMES test	OECD 471	<input type="checkbox"/> Pos	<input type="checkbox"/> Neg		
Chromosome aberration test	OECD 473	<input type="checkbox"/> Pos	<input type="checkbox"/> Neg		

Comments:

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

Air Emission Parameters	Method	Value	Unit	S d	Comment
Organic carbon (Polyester)	Emission factor concept °C   minutes	0	g org.C / kg		this product is a dyeing auxilliary
Organic carbon (Cotton)	Emission factor concept °C   minutes	0	g org.C / kg		this product is a dyeing auxilliary

Comments:

## 2.5. Components of high concern

Components	declara- tion limit >	present?		if yes, pls specify		
		no	yes	Chemical name and CAS Number	quantity	Unit
APEO						

Components	declara- tion limit >	present?		if yes, pls specify		
		no	yes	Chemical name and CAS Number	quantity	Unit
<div>■ NPEO, OPEO</div> <div>■ NP, OP</div>	100mg/kg	<input checked="" type="checkbox"/>	<input type="checkbox"/>			mg/kg
						mg/kg
	10 mg/kg	<input checked="" type="checkbox"/>	<input type="checkbox"/>			mg/kg
						mg/kg
Condensation products of fatty acid derivatives with AEEA (Aminoethylethanolamine)	100mg/kg	<input checked="" type="checkbox"/>	<input type="checkbox"/>			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 <sup>1</sup>	unintentional component <sup>2</sup>	released component <sup>3</sup>
Ethylene oxide.	75-21-8	mg/kg	< 1.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1,4- dioxane.	123-91-1	mg/kg	90.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
other Glycols		mg/kg	< 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2-Butoxyethanol	111-76-2	mg/kg	31500-35000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Styrene	100-42-5	mg/kg	16.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Phenol	108-95-2	mg/kg	0.73	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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:

substances listed in table 3.1 are impurities of used materials,

- 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, March 15, 2019

Place and Date

THAI KIEM LINH/ supporter manager,  
Name | Function

<sup>d</sup> Source of data: A: Analogy | C: Calculated | M: Measured  
Wherever possible provide measured data.

<sup>e</sup> Calculating the data is accepted

<sup>1</sup> Substance is an intentional component of the product

<sup>2</sup> Substance is an unintentional impurity or by-product of the product

<sup>3</sup> Substance may be released under recommended application conditions