## 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.

[](http://www.bluesign.com/industry/infocenter/downloads)

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 EXP-13 |
| Product supplier: | HUNG XUONG CHEMICAL CO., LTD. |
| Contact details |  |
| ***Name:*** | ĐINH VĂN HIỀN |
| ***Title/Position:*** | TECHNICAL DEPARTMENT |
| ***Email:*** | phongkythuat@hungxuong.com.vn |
| ***Phone:*** | 84-028-39610618/28 Ext: 108 |
| Identification No.[[1]](#endnote-1): | SC-2EXP13 |
| 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\* | 4.5.3 |
| Chemical description[[2]](#endnote-2)  and CAS number: | \_Di-(hard tallow fatty acid amidoethyl)-n-poly-ethoxy ammonium lactate (Cas:n/a) 20% ;  \_Di-Me Siloxanes, H-term, polymers w poly(EO) bis(methallyl) ethers, 3-[3- (diethylamino)-2-hydroxypropoxy] propyl group-term (Cas:938055-20-0 ) 6%;  \_Alcohols, C12-14, ethoxylated (Cas: 68439-50-9) 8.5%; \_Ethoxylated propoxylated 2-ethyl-1-haxanol (Cas:64366-70-7) 1.0%;  \_Polyoxyethylene Tridecanyl Ether (Cas: 9043-30-5) 3%  \_Butyl carbitol (Cas: 112-34-5) 9%  \_Acid acetic (Cas: 64-19-7) 3.1%. |
| 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[[3]](#endnote-3): | Softener |
| Product using company |  |

\* The bluesign® product groups are based on TEGEWA nomenclature

Please click here for the list: [bluesign-Groups.pdf](http://www.bluesign.com/fileadmin/downloads/Documents/bluesign-Groups.pdf)

1. Specifications – Wastewater | Toxicology | Air Emission
   1. Wastewater Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Wastewater Parameters** | **Method** | **Value** | **Unit** | **S**[[4]](#endnote-4) | **Method | Comment** |
| Biodegradability |  |  |  |  |  |
| standard method | OECD 302 B | 0.84 | % | C | BOD/COD |
| or alternative | OECD 301 A-F, 303 A, 310 specify method used |  | % |  |  |
| COD | DIN 38409-41 also cuvette test if reliable | 1167 | mg/g | M | Cuvette test, dichromate,  USEPA 410.4 |
| or TOC | DIN EN 1484 |  | mg/g |  |  |
| BOD5 | DIN EN 1899-1 | 9.8 | mg/g | M | SMEWW 5210B:2012 |
| Aquatic toxicity |  |  |  |  |  |
| against fish | OECD 203 / LC50 / 96h | >100 | mg/L | A | >100mg/L base 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[[5]](#endnote-5) |  | % |  | Materials don't contain P |
| N, total | DIN EN 12260 (TNb)  or DIN EN 15663 (TKN)e | 0.48 | % | M | 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:

* 1. Irritancy and sensitization

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Irritancy and Sensitization** | **Method** |  |  | **S**d | **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:

* 1. Toxicity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Toxicity** | **Method** | **Value** | **Unit** | **S**d | **Comment** |
| Acute oral toxicity | OECD 401, 420, 423 / LD50 (specify method used) | > 2500 | mg/kg |  | based on GHS classification, the product is not classified as an acute oral toxicity |
| if available provide data for: |  |  |  |  |  |
| Acute dermal toxicity | OECD 402 / LD50 |  | mg/kg |  |  |
| Mutagenicity / AMES test | OECD 471 | Pos | Neg |  |  |
| Chromosome aberration test | OECD 473 | Pos | Neg |  |  |

Comments:

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Air Emission Parameters** | **Method** | **Value** | **Unit** | **S**d | **Comment** |
| Organic carbon (Polyester) | Emission factor concept  160 - 180°C | 2minutes | 77.5 | g org.C / kg | c | calculate TOC emission factor |
| Organic carbon (Cotton) | Emission factor concept  160-180°C | 2minutes | 77.5 | g org.C / kg | c | calculate TOC emission factor |

Comments:

* 1. Components of high concern

| **Components** | **declara-** | **present?** | | **if yes, pls specify** | | |
| --- | --- | --- | --- | --- | --- | --- |
|  | **tion limit**  **>** | **no** | **yes** | **Chemical name and  CAS Number** | **quantity** | **Unit** |
| APEO   * NPEO, OPEO * NP, OP | 100mg/kg  10 mg/kg |  |  |  |  |  |
|  |  | mg/kg |
|  |  | 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 |

1. 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[[6]](#footnote-1)** | **unintentional component[[7]](#footnote-2)** | **released component[[8]](#footnote-3)** |
| Ethylene oxide | 75-21-8 | mg/kg | n.d |  |  |  |
| 1,4- dioxane | 123-91-1 | mg/kg | 8.8 |  |  |  |
| Glycols | various | mg/kg | nd |  |  |  |
| D4 -SILOXANE | 556-67-2 | mg/kg | 1800 |  |  |  |
| D5 -SILOXANE | 541-02-6 | mg/kg | 198 |  |  |  |
| D6 -SILOXANE | 540-97-6 | mg/kg | 102 |  |  |  |

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:

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 21, 2022 |  |
| Place and Date | ĐINH VĂN HIỀN/ TECHNICAL DEPARTMENT  Name | Function |

1. Use the individual product key, article code, material number [↑](#endnote-ref-1)
2. Enter type of chemistry the product is based on, e.g. fatty alcohol ether, silicone [↑](#endnote-ref-2)
3. Describe for what purpose the product is mainly used**,** e.g. bleaching, levelling agent [↑](#endnote-ref-3)
4. Source of data: A: Analogy | C: Calculated | M: Measured

   Wherever possible provide measured data. [↑](#endnote-ref-4)
5. Calculating the data is accepted [↑](#endnote-ref-5)
6. Substance is an intentional component of the product [↑](#footnote-ref-1)
7. Substance is an unintentional impurity or by-product of the product [↑](#footnote-ref-2)
8. Substance may be released under recommended application conditions [↑](#footnote-ref-3)