

# BW Industrial - EHS for BO (WBP)

- 1- Requirement
- 2- Files location
- 3- Files description
  - 3-1 BW\_PPS\_EHS\_LIBSUBST.TXT
  - 3-2 BW\_PPS\_EHS\_SUBSTCAS.TXT
  - 3-3 BW\_PPS\_EHS\_COMPO\_STD.TXT
- 4- Program description
- 5- Data Flow modifications
- 6- Frequency
- 7- In case of loading error

## 1- Requirement

EHS users need to have sales information with EHS characteristics.

EHS data have to be sent from BW to BO using 3 flat file using the ";" as field separator:

BW\_PPS\_EHS\_LIBSUBST.TXT

BW\_PPS\_EHS\_SUBSTCAS.TXT

BW\_PPS\_EHS\_COMPO\_STD.TXT

## 2- Files location

Files are placed in the folder: /exploit/BW/CIS.

## 3- Files description

### *3-1 BW\_PPS\_EHS\_LIBSUBST.TXT*

#### **3-1-1 Brief description**

This file contains all the specifications that have a long description and a substance nature.

#### **3-1-2 Logical file name**

Z\_EHS\_FILENAME

#### **3-1-3 Source**

Specification InfoObject (0EHS\_SPEC)

Characteristic Edit Goto Extras Environment System Help

Display Characteristic 0EHS\_SPEC: Details

Business Content

Characteristic: 0EHS\_SPEC  
 Long description: Specification  
 Short description: Specification  
 Version: Active Saved  
 Object Status: Active, executable

Business Explorer Master data/texts Hierarchy Attribute Compoundi...

Navigation Attribute InfoProvider

Attributes: Detail/Navigation Attributes

Attribute	Long description	Ty.	Ti.	Or.	N.	Au.	Te.	Navigation att. des.
0EHS_SUBC	Specification Type	NAV	<input type="checkbox"/>	1		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Specification Type
0EHS_SUCH	Identification of Substance	NAV	<input type="checkbox"/>	2		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Identification of Substance
0EHS_AUTH	Authorization Group	NAV	<input type="checkbox"/>	3		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Authorization Group
0EHS_WGK	Water Pollution Class	NAV	<input type="checkbox"/>	4		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Pollution Class
0EHS_VCI	Storage Class According to	NAV	<input type="checkbox"/>	5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Storage Class According to
0EHS_VBF	Combustible Liquids Hazard	NAV	<input type="checkbox"/>	6		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Combustible Liquids Hazard
0EHS_R01	R Phrase 01	NAV	<input type="checkbox"/>	7		<input type="checkbox"/>	<input checked="" type="checkbox"/>	R Phrase 01
0EHS_R02	R Phrase 02	NAV	<input type="checkbox"/>	8		<input type="checkbox"/>	<input checked="" type="checkbox"/>	R Phrase 02
0EHS_R03	R Phrase 03	NAV	<input type="checkbox"/>	9		<input type="checkbox"/>	<input checked="" type="checkbox"/>	R Phrase 03
0EHS_R04	R Phrase 04	NAV	<input type="checkbox"/>	10		<input type="checkbox"/>	<input checked="" type="checkbox"/>	R Phrase 04
0EHS_R05	R Phrase 05	NAV	<input type="checkbox"/>	11		<input type="checkbox"/>	<input checked="" type="checkbox"/>	R Phrase 05

### 3-1-4 Fields

:

Field	Technical name	Type
Specification	/BI0/PEHS_SPEC-EHS_SPEC	char 12
Substance Nature of the specification	/BI0/PEHS_SPEC-EHS_SUCH	char 10
Specification long description	/BI0/TEHS_SPEC-TXTLG	char 60

### 3-1-5 Conditions for the loading

The specification has a substance nature,

The specification has a long description,

The specification code is between '100000000000' and '200000000000',

Only English descriptions are loaded.

### 3-1-6 Example

100000000019;Z\_SUB\_MONO;Ultramarine blue

100000000053;Z\_SUB\_MONO;terephthalic acid

100000000054;Z\_SUB\_MONO;ethylbenzene

### 3-2 BW\_PPS\_EHS\_SUBSTCAS.TXT

### 3-2-1 Brief description

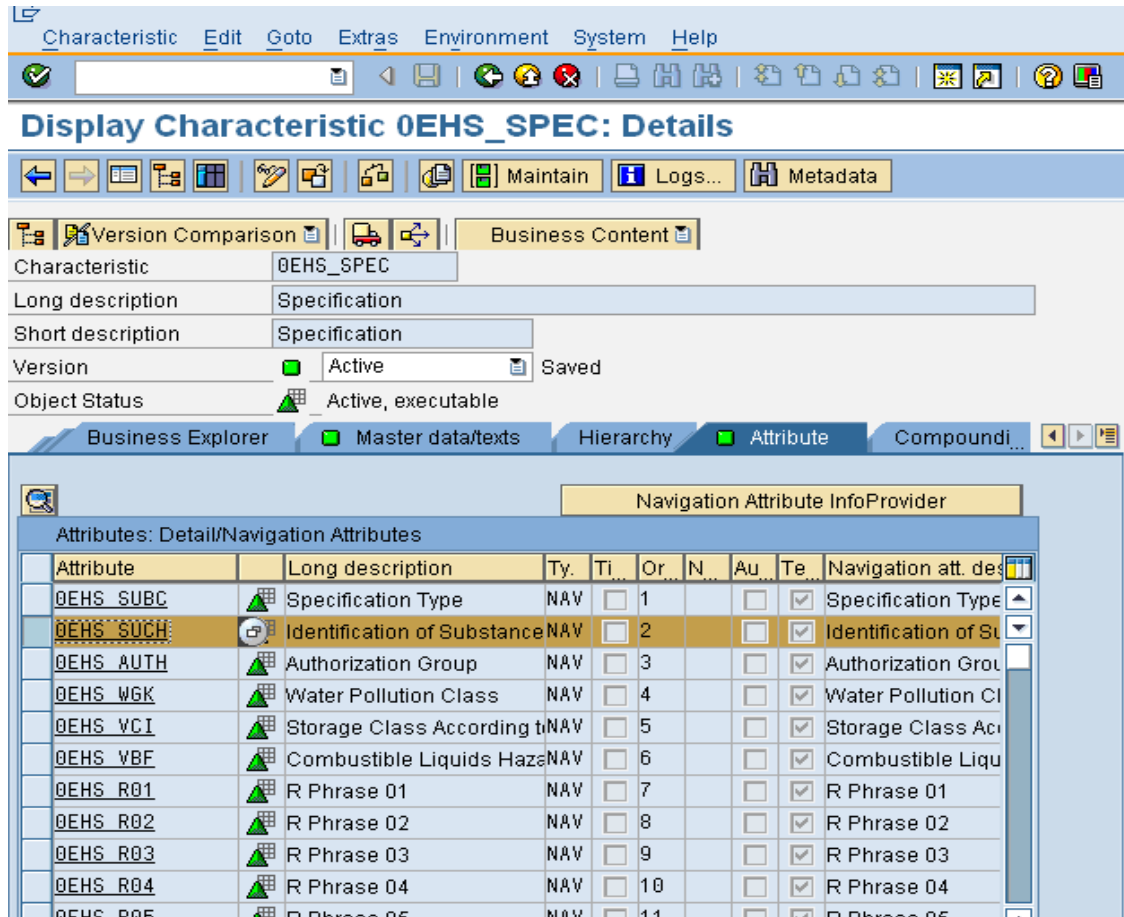
This file contains all the specifications that have a short description.

### 3-2-2 Logical file name

Z\_EHS\_FILENAME2

### 3-2-3 Source

Specification InfoObject (0EHS\_SPEC)



### 3-2-4 Fields

:

Field	Technical name	Type
Specification	/BI0/PEHS_SPEC-EHS_SPEC	char 12
Substance Nature of the specification	/BI0/PEHS_SPEC-EHS_SUCH	char 10
Specification short description	/BI0/TEHS_SPEC-TXTSH	char 20

### 3-2-5 Conditions for the loading

The specification has a short description,

The specification code is between '100000000000' and '200000000000',

Only English descriptions are loaded.

### 3-2-6 Example

100000000019;Z\_SUB\_MONO;57455-37-5

100000000053;Z\_SUB\_MONO;100-21-0

100000000054;Z\_SUB\_MONO;100-41-4

### 3-3 BW\_PPS\_EHS\_COMPO\_STD.TXT

#### 3-3-1 Brief description

This file contains the percentage of specifications in the commercial products for a selected month.

#### 3-3-2 Logical file name

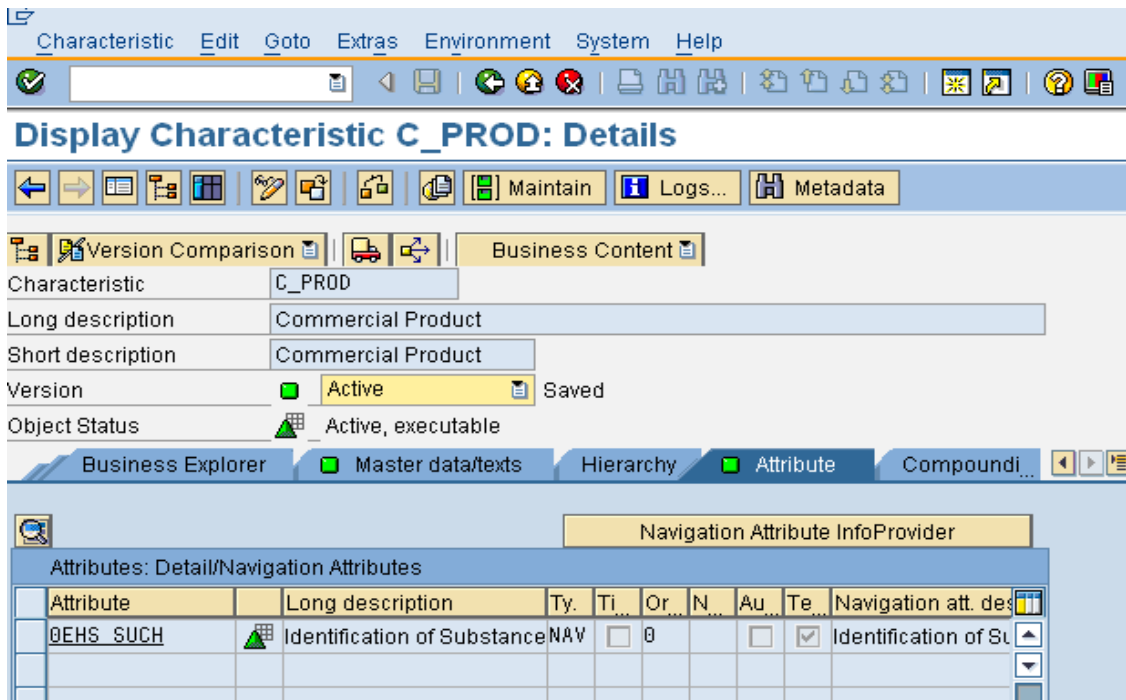
Z\_EHS\_FILENAME3

#### 3-3-3 Source

Material-Specification Mapping Datastore Object (DSO\_EHS1),

DataStore Object	Techn. name / value	Fu...	O...	Data ...	L	Key Fi...	C...	N...	Ag...	Ex...	Reference...	Ur
Material-Specificatio DSO_EHS1												
Object Informati												
Version	In Process											
Save	Saved											
Revised Ver:	Active Version											
Object Statu:	Active, executable											
Settings												
Key fields												
Plant	0PLANT			CHAR	04						0PLANT	
Specification	0EHS_SPEC			CHAR	12						0EHS_SP...	
Commercial C_PROD				CHAR	18						C_PROD	
Calendar Ye	0CALMONTH			NUMC	06						0CALMON...	
Authorizatio	0EHS_AUTH			CHAR	10						0EHS_AUTH	
Data Fields												
Percentage	0EHS_SPMA			FLTP	08	Numb...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SUM	SUM		
Unit of meas	0UNIT			UNIT	03						0UNIT	
Last change	0CH_ON			DATS	08						0DATE	
Navigation Attrib												
Indexes												

Commercial Product InfoObject (C\_PROD)



### 3-3-4 Fields

:

Field	Technical name	Type
Commercial Product	/BIC/ADSO_EHS100-/BIC/C_PROD	char 18
Specification	/BIC/ADSO_EHS100-EHS_SPEC	char 12
Authorization Group	/BIC/ADSO_EHS100-EHS_AUTH	char 10
Substance Nature of the Commercial Product	/BIC/PC_PROD-EHS_SUCH	char 10
Percentage Specification in Material	/BIC/ADSO_EHS100-EHS_SPMA	

Number

8 decimals

### 3-3-5 Conditions for the loading

The specification is not like 'PRCO\*' or the percentage specification in material <> 100%,

Data are limited to the specified month (input criteria)

### 3-3-6 Particular handling

'0's on the left of the commercial product code are deleted,

Negative sign '-' in the percentage must be on the left of the number,

Before the loading a screen allows the user to choose a specific month for the extraction

### 3-3-7 Example

90000317;100000000000;ZZ\_BU\_00;;100.00000000;%

90001679;100000002090;ZZ\_BU\_10;;89.00000000;%

90001679;100000001974;ZZ\_BU\_10;;11.00000000;%

## 4- Program description

Name: Z\_DOWNLOAD\_FILE\_EHS

For each file, here are the steps followed by the program:

- Data structure definition,
- Data extraction into internal table,

### **BW\_PPS\_EHS\_LIBSUBST.TXT**

```
{{code language="abap"}}SELECT SPECEHS_SPEC SPECEHS_SUCH SPECTXTLGLG
FROM /BI0/PEHS_SPEC AS SPEC
JOIN /BI0/TEHS_SPEC AS SPECT ON SPECEHS_SPEC = SPECTEHS_SPEC
AND SPECTLANGU = 'E' AND SPECTXTLGLG <> "
INTO TABLE itb_spec
WHERE SPECEHS_SUCH <> "
AND SPECEHS_SPEC >= '100000000000'
AND SPECEHS_SPEC < '200000000000'/code
```

### **BW\_PPS\_EHS\_SUBSTCAS.TXT**

```
{{code language="abap"}}SELECT SPECEHS_SPEC SPECEHS_SUCH SPECTXTSH
FROM /BI0/PEHS_SPEC AS SPEC
JOIN /BI0/TEHS_SPEC AS SPECT ON SPECEHS_SPEC = SPECTEHS_SPEC
AND SPECTLANGU = 'E' AND SPECTXTSH <> "
INTO TABLE itb_spec2
WHERE SPECEHS_SPEC >= '100000000000'
AND SPECEHS_SPEC < '200000000000'/code
```

### **BW\_PPS\_EHS\_COMPO\_STD.TXT**

```
{{code language="abap"}}SELECT DSO/BIC/C_PROD DSOEHS_AUTH CPRODEHS_SUCH DSOEHS_SPEC DSOEHS_SPMA
FROM /BIC/ADSO_EHS100 AS DSO
JOIN /BIC/PC_PROD AS CPROD ON CPROD/BIC/C_PROD = DSO/BIC/C_PROD
INTO TABLE itb_spec3
WHERE DSO/BIC/C_PROD <> " AND DSOEHS_SPEC <> "
AND ( DSOEHS_SPEC NOT LIKE 'PRCO%' OR DSOEHS_SPMA <> 100 )
AND DSOCALMONTH = P_MONTH{{/code}}
```

- Getting the physical file name,
- Opening the dataset (physical file),
- Handling of internal table data,
- Transferring data into the file,
- Closing the dataset (physical file)

## 5- Data Flow modifications

Some adjustments have been done on BW:

The substance nature (0EHS\_SUCH) was added as a navigational attribute of the commercial product (C\_PROD) which has been populated by the specification extractor (0EHS\_SPEC\_ATTR) with specifications that are beginning by "PRCO". The substance nature of a commercial product is populated by the substance nature of the specification in the extractor as show below.

