Solenzara SF6 Catalogue

Introduction.

This document describes how the Solenzara data is converted into the SF6 format.

The SF6 format contains additional data not held in the Solenzara files. The Solenzara files are intended to simply describe the data needed for creating validated orders.

SF6 restricts product codes to 6 characters. Where the Solenzara catalogue uses codes greater than 6 characters then these will be truncated thus rendering the catalogue ineffective. **This is a restriction of the SF6 catalogue**.

Additionally tint colour codes are restricted to 3 characters.

Header file.

This is shown in the program as a list of values for entries.
A code and manufacturer name do need to be provided.

Lens file.
This is generated from lenses.csv.

Field	Notes
Code	Taken from Lenses.csv **SF6 codes are restricted to 6 characters.**
Description	As in Lenses.csv
Lens form	Taken from lenses.csv 1 > 0 2 > 1 3 > 2 4 > 3 5 > 4
Balance	True
Balance Lens terms	100
Balance Coat terms	100
Standard Brand	0
Material	M in lensescsv > 1 Ref. Index 1580-1590 = 3 (Polycarb) Ref. Index 1525-1535 = 4 (Trivex) otherwise = 2
Refractive Index	Taken from lenses.csv (*10)
Aspheric	Set to 1 in Aspheric in description in lenses.csv
Lenticular	Set to 1 if Lenti in description in lenses.csv
Abbe	Taken from lenses.csv
Desnity	Taken from lenses.csv
ET Contained	0
Pretinted	0
Photochromic	If the word "Clear" or "White" in the colour and Polar or Tint are not in the descript then True otherwise false.
Hard Coating incl	False – Solenzara is set to ask for additional coating if allowed.

Clean Coating incl	FALSE
UV	FALSE
Coating incl	FALSE
MDM incl	FALSE
Non-standard diameters incl	If lens is stock then 0 otherwise 1 (subject to range)
Non-standard thickness incl	If lens is stock then False otherwise True
Insurance incl	FALSE
Traffic restrictions	1
Filter category	0
UV Edge	If UV included in the lens or permitted then 350 otherwise 0
UV-A	0
UV-B	0
Extended Warranty	FALSE
Single Lens Order	1
Traveler Service	FALSE
Sorting	0
Brief Description	
Exposed Filter Category	0
Office Lens	0

Ranges.

Geo.

This is generated from lenses.csv and ranges.csv

Field	
Code	As in lenses.csv
Diameter	'00' The same geometry is applied across all lenses
Elliptic	Blank
Strongest Principal Meridian from	Blank – applies to all powers
Strongest Principal Meridian to	
Exact diameter in vertical axis	Empty
Exact diameter in horizontal axis	Empty
Near Portion Type	Lensform 1 – 0 2 – See below 3 – 4 (Exec) 4 – 0 5 – 0 Lens form 2 (Bifocal) If design is in form C99 > 0 S99 > 1 F99 > 1 D99 > 1 R99 > 3 if Curve in Style, design, description > 0 If Flat in Style, design, description > 1 If Round in Style, design, description > 3
Vertical Distance to distance reference point	Empty
Horizontal Distance to distance reference point	For lens form 4,5 Ranges – Horizontal Fitt In
Vertical Distance to dividing edge	For lens form 2 Ranges – Vertical Fitt Up (note change of sign)
Horizontal Distance to dividing edge	For lens form 2 Ranges – Horizontal Fitt in

Vertical Distance to near portion centre	Empty
Lower radius of near portion	Empty
Upper radius of near portion	Empty
Width of near portion	Empty
Height of near portion	Empty
Height of intermediate portion	Empty
Vertical distance to distance centering cross (progressive lens)	For lens form 4,5 Ranges Vertical Fitt up
Centering to zero gaze direction or principal visual direction	Empty
Maximum vertical distance to near reference point (progressive lens)	Empty
Minimum vertical distance to near reference point (progressive lens)	Empty
Maximum horizontal distance to near reference point (progressive lens)	Empty
Minimum horizontal distance to near reference point (progressive lens)	Empty

Prices

Only prices in price list 1 are exported. Data is taken from Prices.csv

Field	
Lens code	
Diameter	Pricing diameter followed by two blanks
Elliptic	Blank
Sph group	If pricing grid not specified then set to 30
Cyl group	If pricing grid not specified then set to 10
Delivery Range Index	Set to 0
Price 1	As in prices.csv file. For grids,multiple entries are made
Price 2	Empty
Price 3	Empty
Price 4	Empty
Price 5	Empty

Options.Dat

This is taken from the treatment file(Treat.csv). Note that Extras such as Prism are not defined in Solenzara so are not included.

Option Code	Taken from Treatment file
Description	Taken from Treat.csv
Deliverable from	Empty
Deliverable to	Empty
Standard/Brand	0 - standard
Glass	Treat family is scanned, if there are glass lenses in the same family then set to true
Plastic	Treat family is scanned, if there are glass lenses in the same family then set to true
Polycarbonate	Treat family is scanned, if there are glass lenses in the same family then set to true
Trivex	Treat family is scanned, if there are glass lenses in the same family then set to true
ET	Treat.csv has only designation if it is an AR coat, so if a treatment is set as AR then this is set to 2
Color	Set to 2 if marked as Tint in Treat.csv, Set to 4 if there is phras"Grad" in the description
Photochromic	FALSE
Hard Coating	Set to true if marked as Hard Coat in treat.csv
Clean coating	FALSE – not held in Solenzara
UV Coating	True if marked as UV
AR Coating	True if marked as AR
….	All other fields set to empty
Online Order possible	TRUE

Option Colours Data.

This is not generated as all the tint colour code information available in Solenzara is caught in the Options.dat file.

Combinations.

The Solenzara approach is to to define which coatings / tints are permitted on each lens. Thus, in the SF6 catalogue each coating tint is initially defined to be not available on any lens and then for each lens, each coating / tint in the permitted family is marked as permitted.

Other Files.

The following files are not currently created.
Code Substitution – Solenzara only has current lenses in its catalogue
Product Group - Solenzara does not the concept of product grouping
Order Options – Solenzara has a comprehensive method for defining freeform options which is not easily compatible with this.
OECodes – Solenzara does not hold OPC barcode data
Information – Solenzara does not currently hold this.