

**REGULATORY INFORMATION DATASHEET****PVDF SOLEF[®] 1008/0001**

Updating: 30/10/2006

Ref: RID - SOLEF 1008_0001

1. PRODUCT INFORMATION

TRADE NAME:	PVDF SOLEF[®] 1008/0001
CHEMICAL NAME :	POLYVINYLIDENE FLUORIDE
CAS REGN NO.:	24937-79-9

2. REGULATORY STATUS

The following table reflects regulatory status (Inventory listing) for product based on its component(s) for general industrial applications and use.

Legal Area	Inventory	Data	Statement
Australia	AICS	Inventory Listed	FREE SALE
Canada	DSL	Inventory Listed	FREE SALE
China	IECSC	Inventory Listed	FREE SALE
EU	EINECS	exempted	FREE SALE
Japan	ENCS	(6)-933	FREE SALE
Korea	ECS	KE-10546	FREE SALE
New Zealand	HSNO	Inventory Listed	FREE SALE
Philippines	PICCS	Inventory Listed	FREE SALE
Switzerland		Inventory Listed	FREE SALE
USA	TSCA-Section 8(b)	XU	FREE SALE

INTERNATIONAL CONVENTIONS

Convention	THIS PRODUCT CONTAINS NO CHEMICALS BANNED OR RESTRICTED BY THESE CONVENTIONS
Chemical Weapons	
Dual Use	
Drug / Drug Precursor	
POP (<i>Persistent Organic Pollutant</i>)	
Rotterdam PIC (<i>Prior Informed Consent</i>)	

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REGULATED SUBSTANCES

Country	Regulation	Status
EU	Dangerous Substance Directive 67/548/EEC	NOT contain(s) any substances which are to be marked with the R-phrases according to Annex VI
	Dangerous Preparation Directive 1999/45/EC	NOT contain(s) any substances classified as hazardous according to Article 3
	Restrictions on the marketing and use of chemicals Directive 76/769/EEC	NOT contain(s) restricted substances
USA	TSCA Section 5(e)	NOT contain(s) regulated substances
	TSCA Section 12(h)	NOT contain(s) substances subject to export notification
	SARA Title III Section 302	NOT contain(s) regulated substances
	SARA Title III Section 304	NOT contain(s) regulated substances
	SARA Title III Section 311/312	NOT contain(s) regulated substances
	SARA Title III Section 313	NOT contain(s) regulated substances
	Clean Air Act	NOT contain(s) Hazardous Air Pollutant substances NOT contain(s) Ozone Depleting Substances Class I NOT contain(s) Ozone Depleting Substances Class II
	Clean Water Act	NOT contain(s) Priority Pollutant substances
JAPAN	Law Concerning the Examination and Regulation of Manufacture etc. of Chemical Substances (LERMCS)	NOT contain(s) Class I Specified Chemical Substance NOT contain(s) Class II Specified Chemical Substance NOT contain(s) Type I Monitoring Chemical Substance NOT contain(s) Type II Monitoring Chemical Substance NOT contain(s) Type III Monitoring Chemical Substance
	PRTR Law	NOT contain(s) Class I Designated Chemical Substance NOT contain(s) Class II Designated Chemical Substance
	Industrial safety and Health Law (ISHL)	NOT contain(s) Article 55 Substances NOT contain(s) Article 56 Substances NOT contain(s) Article 57-1 Substances
KOREA	Toxic Chemical Control Law	NOT contain(s) Banned substances NOT contain(s) Permission Required substances NOT contain(s) Regulated substances NOT contain(s) Work Environment Monitoring Required substances
CHINA	Regulations for Environmental Management	NOT contain(s) Banned or Severely Restricted Toxic Chemicals
SWISS	Poison Law	The substance(s) or all ingredients are NOT classified "POISON"

ADDITIONAL COUNTRY SPECIFIC DATA REQUIREMENTS

Information on country specific regulations such as transport, exposure limits, local legal requirements etc., is given on the country specific MSDS. For further support, please contact your local Solvay Solexis sales office or

<http://www.solvaysolexis.com>

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3. COMPOSITIONAL DETAIL

CONSTITUENTS

Constituent	
Aromatic amines (German list)	NONE OF THE SUBSTANCES LISTED ARE USED IN THE PRODUCTION OF or INTENTIONALLY ADDED DURING THE PROCESSING OF THIS PRODUCT
Asbestos	
Azo compounds	
Bisphenols	
Boranes	
Chlorinated paraffins	
Chlorinated solvents	
Creosote	
Dioxins/furans	This product is made under conditions not expected to produce dioxins or furans
Natural rubber latex	NONE OF THE SUBSTANCES LISTED ARE USED IN THE PRODUCTION OF or INTENTIONALLY ADDED DURING THE PROCESSING OF THIS PRODUCT
Nonylphenol / Nonylphenol ethoxylates	
Octylphenol / Octylphenol ethoxylates	
Organo-cadmium pigments	
Organo-tin compounds	
Ozone depleting substances , CFCs etc. incl EU regulated (2037/2000/EC)	
Penta/octabrom/decabromo-diphenyl ethers	
Phthalates incl EU regulated (di-isononyl, di 2ethylhexyl, di-n-octyl, di-n-decyl, butylbenzyl, di-butyl)	
Polybrominated biphenyls/terphenyls	
Polybrominated/chlorinated organic compounds	
Polychlorinated biphenyls/terphenyls	

TRACE METALS

This information is based on random analysis & not quality control nor part of a specification, nor may it be construed as a warranty, express or implied.

Element	Anal. Method	Result (ppm)
Cd	X-RAY FLUORESCENCE (XRF)	< 20
Cr (VI)	X-RAY FLUORESCENCE (XRF)	< 20
Pb	X-RAY FLUORESCENCE (XRF)	< 20
Hg	X-RAY FLUORESCENCE (XRF)	< 20

Blue shade denotes ROHS/CONEG elements (**Cd, Cr, Pb, Hg**)

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4. END ARTICLE COMPLIANCE STATEMENT

Compliance with:

EU REGULATIONS

Directive 2002/95/EC	“RoHS - Restriction of Hazardous Substances in Electrical & Electronic Equipment”	WHEREIN Hg, Pb, Cr(VI) and PBB, PBDPE are below 0.1%w, Cd is below 0.01%
Directive 94/62/EC	“Packaging and Packaging Waste” - as amended by 2004/12/EC 30.6.2001	WHEREIN the sum of Pb,Cd,Cr, Hg shall not exceed 100 ppm
Directive 2000/53/EC	ELV - End of life Vehicle” - as amended 27.6.2002	WHEREIN Pb, Hg, Cr (VI) are below 0.1%w, Cd is below 0.01%
Directive 76/769/EEC	“Marketing & Use Directive” - as amended below	

1976	769	EEC	MARKETING & USE
1996	55	EC	M&U chlorinated solvents
1999	51	EC	M&U tin, PCP cadmium
1999	77	EC	M&U asbestos
2001	91	EC	M&U hexachloroethane
2001	90	EC	M&U creosote
2002	62	EC	M&U organostannic
2002	61	EC	M&U azocolourants
2002	45	EC	M&U chlorinated paraffins
2003	53	EC	M&U nonyl phenol and its ethoxylates
2003	36	EC	M&U CMRs
2003	11	EC	M&U PBDPE OBDPE RESTRICTIONS
2003	3	EC	M&U blue colourant
2003	2	EC	M&U arsenic
2004	21	EC	M&U azo colourants
2004	96	EC	M&U nichel
2004	98	EC	M&U PBDE
2005	59	EC	M&U toluene and trichlorobenzene
2005	69	EC	M&U Polycyclic aromatic hydrocarbons
2005	84	EC	M&U phthalates
2005	90	EC	M&U CMRs



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US REGULATIONS

US CONEG Council of Northeastern Governors WHEREIN the sum of Pb,Cd,Cr, Hg shall not exceed 100 ppm

OTHER INTERNATIONAL REGULATIONS

GADSL Global Automotive Declarable Substance List (v2.0 released 27-01-2006) NOT contain(s) Prohibited or Declarable substances

SPECIFIC APPROVALS

IMDS International Material Data System - Registered with ID: 1479973/1

5. PRODUCT APPLICATION AND USE DATA

FOOD CONTACT COMPLIANCE/APPROVAL STATUS

EU REGULATIONS

Directive 2002/72/EC

- as subsequently amended

Specifications:

“Plastic materials and articles intended to come into contact with foodstuffs”

Monomer(s) used are all listed in Annex II

Monomer(s) subject to restrictions:

Vinylidene Fluoride

Ref.N° = 26140

CASRN= 75-38-7

SML = 5 mg/kg

Restrictions:

verification of compliance with the overall and specific migration limits shall be carried out

USA REGULATIONS

FDA - Food and Drugs Administration

21 CFR 177.2510(a) **Polyvinylidene fluoride resins**

Restrictions: finished food-contact article must meet the extraction limits



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SPECIFIC APPROVALS

NSF STANDARD 51 "Food equipment materials"

Type of food	Any
Maximum temperature of use	127 °C (260°F)
Source	NSF

DRINKING WATER APPLICATIONS COMPLIANCE/APPROVAL STATUS

SPECIFIC APPROVALS

Germany

KTW Recommendations "Plastics for Drinking water-contact applications"

Application	Ancillaries, fittings and gaskets
Maximum temperature	85°C
Expiration date:	27/04/2010
Source	Hygiene-Institute des Ruhrgebiets

United States

NSF STANDARD 61 " Drinking Water System Components - Health Effects"

Application	Appurtenances, pipes
Maximum temperature	Commercial Hot = 82°C (182 °F)
Source	NSF

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MEDICAL /BIOMEDICAL APPLICATION COMPLIANCE STATUS

Compliance with:

United States

United States Pharmacopoeia (XXVII edition - 2004)

Application	USP Class VI
Source	NAMSA

Disclaimer: Do not use Solvay Solexis materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from Solvay Solexis under a written contract that is consistent with the Solvay Solexis policy regarding medical applications and expressly acknowledges the contemplated use.

FIRE RESISTANCE

United States

UL STANDARD 94 (Yellow card) "Flammability of plastic materials for parts in devices and appliances."

Class	V-0
Source	UL

6. PRODUCT SOURCING

This product is manufactured according to a chemical polymerization process that does not involve any substance of animal or biological origin. During all the operation of processing, storage and packaging made under the control of Solvay Solexis, this product doesn't come into contact with any substance of animal or biological origin, Based on the above, we are confident that the above-cited product is not contaminated by:

- infective agents responsible for transmitting BSE (Bovine Spongiform Encephalopathy)
- Genetically Modified Organisms



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Date of last amendment: 30/10/2006
Document validity/ next revision date: 12 months from last amendment