



REACH SVHC Declaration.

Registration, Evaluation, Authorization, and restriction of **C**hemicals (REACH)

224 Substances of Very High Concern (SVHC) on ECHA Candidate List (Revised- 10th of June 2022)

15th of June 2022

Dear Valued Customers,

Kester is a Downstream User as defined by the requirements of the European Union (EU) REACH Regulation.

Kester solder products are defined in the REACH regulations as mixtures consisting of two or more individual substances.

Mixtures do not require registration under Article 7.1 of REACH.

The individual raw material substances that are mixed to make up the solder product are registered separately.

Kester ensures that all individual raw material substances that are purchased from upstream suppliers are either registered or exempt from REACH registration.

All Kester products are mixtures and comply with SVHC REACH regulations. Mixtures are in SVHC compliance when SVHCs (above reporting threshold values) are listed on the Kester Safety Data Sheets (SDSs).

Kester SDS will report the presence of any of the current 224 SVHC's on the European Chemicals Agency (ECHA) Candidate List: <https://echa.europa.eu/candidate-list-table> (when above reporting threshold values).

Kester issues SDSs for our solder products that conform to the United Nations Globally Harmonized System (GHS) and follow the criteria for classification of mixtures in accordance with Regulation (EC) No. 1272/2008 Classification, Labelling and Packaging (CLP).

To facilitate faster and more efficient communication when new substances are added to the SVHC list, Kester provides below a complete list of its products which contain SVHC's above the reportable concentration and the name of the relevant substance.

For additional information on this subject contact Kester Customer Service at CustomerService@Kester.com.

Regards

Alex Clark MBA BSc
Regulatory Affairs Officer

Finished Goods Product Class	CAS No.	ECHA Substance of Very High Concern (SVHC) - Chemical Name	Finished Goods (FG) Item Description
BAR SOLDER FG	7439-92-1	Lead	SN01PB97.5AG01.5 SOLDER-BAR
BAR SOLDER FG	7439-92-1	Lead	SN05PB95, SN03PB95AG02, SN10PB88AG02, SN10PB90, SN20PB795B01 E-BAR
BAR SOLDER FG	7439-92-1	Lead	SN23PB755B2, SN50PB50, SN62PB36AG02, SN05PB93.5AG01.5 E-BAR
BAR SOLDER FG	7439-92-1	Lead	SN60PB40 UP BAR
BAR SOLDER FG	7439-92-1	Lead	SN63PB37 ULD, UP BAR
CHEMICAL FG	77-09-8	Phenolphthalein	FLUX TEST KIT - TYPE PS-20
CHEMICAL FG	77-09-8	Phenolphthalein	FLUX TEST KIT - TYPE PS-22
PREFORM FG	7439-92-1	Lead	CUTOFF SOLID SN63PB37
PREFORM FG	7439-92-1	Lead	CUTOFF, CUTOFFS SLD, CUTOFF REC 285/
PREFORM FG	7439-92-1	Lead	DISCS 44/ SN35PB65, SN63PB37, SN10PB88AG2
PREFORM FG	7439-92-1	Lead	DISCS SOLID SNPB, SNPBAG
PREFORM FG	7439-92-1	Lead	FC CUTOFFS SOLID/290S
PREFORM FG	7439-92-1	Lead	FC DISCS
PREFORM FG	7439-92-1	Lead	FC DISCS SOLID/435
PREFORM FG	7439-92-1	Lead	FC DISCS SOLID/290S
PREFORM FG	7439-92-1	Lead	FC STMPG SOLID/290S
PREFORM FG	7439-92-1	Lead	FC STMPNGS WF SOLID/290S
PREFORM FG	7439-92-1	Lead	FC WASHERS 285/290S
PREFORM FG	7439-92-1	Lead	FC WASHERS SOLID/291S SnPb
PREFORM FG	7439-92-1	Lead	FC WASHERS SOLID/492
PREFORM FG	7439-92-1	Lead	FC WASHERS, FC WASHERS SOLID, /290S
PREFORM FG	7439-92-1	Lead	PELLETS 285/ SnPb
PREFORM FG	7439-92-1	Lead	PELLETS 44/ SnPb
PREFORM FG	7439-92-1	Lead	PELLETS 88/ SnPb
PREFORM FG	7439-92-1	Lead	PELLETS SOLID SnPb
PREFORM FG	7439-92-1	Lead	PELLETS 285/
PREFORM FG	7439-92-1	Lead	WASHER 285/ Sn62/Pb36/Ag02
PREFORM FG	7439-92-1	Lead	WASHER OR420
PREFORM FG	7439-92-1	Lead	WASHERS 245S
PREFORM FG	7439-92-1	Lead	WASHERS 246SF
PREFORM FG	7439-92-1	Lead	WASHERS 282
PREFORM FG	7439-92-1	Lead	WASHERS 285
PREFORM FG	7439-92-1	Lead	WASHERS 286SF
PREFORM FG	7439-92-1	Lead	WASHERS 44
PREFORM FG	7439-92-1	Lead	WASHERS 48SF
PREFORM FG	7439-92-1	Lead	WASHERS 88
PREFORM FG	7439-92-1	Lead	WASHERS OR420
PREFORM FG	7439-92-1	Lead	WASHERS 286SF
PREFORM FG	7439-92-1	Lead	WASHERS SOLID SNPB
PREFORM FG	7439-92-1	Lead	WASHERS-RED 245S
REWORK FLUX FG	872-50-4	N-Methylpyrrolidone	RF741 Rework Flux
REWORK FLUX FG	872-50-4	N-Methylpyrrolidone	RF742 REWORK FLUX
REWORK FLUX FG	3194-55-6	1,2,5,6,9,10-Hexabromocyclododecane	RF771 Rework Flux
REWORK FLUX FG	9002-93-1	Octylphenol, ethoxylated	RF773 REWORK FLUX
RIBBON FG	7439-92-1	Lead	RBN 44/ SNPB69.65AG3SB.35, SN25PB62AG03B110
RIBBON FG	7439-92-1	Lead	RBN SOLID SN5PB95, SN63PB37
RIBBON FG	7439-92-1	Lead	RIBBON SN5PB93.5AG1.5 285/
RIBBON FG	7439-92-1	Lead	RIBBON SOLID SN63PB37, SN30PB70, SN40PB60
SOLDER PASTE FG	9002-93-1	Octylphenol, ethoxylated	EM828 Sn96.5Ag3.0Cu0.5
SOLDER PASTE FG	7439-92-1	Lead	EP256 SN62.OPB36.OAG2.0, SN63.OPB37.0
SOLDER PASTE FG	872-50-4	N-Methylpyrrolidone	EP256 Sn62Pb36Ag2, Sn63Pb37, SN05PB93.5AG1.5
SOLDER PASTE FG	7439-92-1	Lead	EP256HA SN62.OPB36.OAG2.0
SOLDER PASTE FG	3194-55-6	1,2,5,6,9,10-Hexabromocyclododecane	EP256HA SN63PB37, Sn62Pb36Ag2
SOLDER PASTE FG	7439-92-1	Lead	EP256HAK SN62.OPB36.OAG2.0
SOLDER PASTE FG	3194-55-6	1,2,5,6,9,10-Hexabromocyclododecane	EP256HAK Sn63Pb37, Sn62Pb36Ag2
SOLDER PASTE FG	872-50-4	N-Methylpyrrolidone	EP256K Sn63Pb37
SOLDER PASTE FG	7439-92-1	Lead	FL250CR SN62.OPB36.OAG2.0
SOLDER PASTE FG	7439-92-1	Lead	FL250CR SN63.OPB37.0
SOLDER PASTE FG	7439-92-1	Lead	FL250D SN63.OPB37.0
SOLDER PASTE FG	7439-92-1	Lead	FL250DS SN63.OPB37.0
SOLDER PASTE FG	7439-92-1	Lead	HM531 SN62.OPB36.OAG2.0, SN63.OPB37.0
SOLDER PASTE FG	7439-92-1	Lead	NP545 SN62.OPB36.OAG2.0, SN63.OPB37.0
SOLDER PASTE FG	7439-92-1	Lead	NXG1 SN63.OPB37.0
SOLDER PASTE FG	872-50-4	N-Methylpyrrolidone	PM202 SN63PB37, SN62PB36AG02
SOLDER PASTE FG	7439-92-1	Lead	PM202A SN62.OPB36.OAG2.0
SOLDER PASTE FG	7439-92-1	Lead	R229D SN62.OPB36.OAG2.0
SOLDER PASTE FG	872-50-4	N-Methylpyrrolidone	R229D Sn62Pb36Ag2
SOLDER PASTE FG	7439-92-1	Lead	R231 SN62.OPB36.OAG2.0, SN63.OPB37.0
SOLDER PASTE FG	7439-92-1	Lead	R253-5 SN62.OPB36.OAG2.0, SN63.OPB37.0
SOLDER PASTE FG	872-50-4	N-Methylpyrrolidone	R253-5 Sn63Pb37, SN62PB36AG02, Sn95Sb5, Sn96Ag4

Finished Goods Product Class	CAS No.	ECHA Substance of Very High Concern (SVHC) - Chemical Name	Finished Goods (FG) Item Description
SOLDER PASTE FG	7439-92-1	Lead	R276 SN63.OPB37.0
SOLDER PASTE FG	872-50-4	N-Methylpyrrolidone	R276 SN63PB37, Sn62Pb36Ag2, Sn96.5Ag3.0Cu0.5
SOLDER PASTE FG	7439-92-1	Lead	R500 SN63.OPB37.0, SN62.OPB36.OAG2.0
SOLDER PASTE FG	9002-93-1	Octylphenol, ethoxylated	R520A Sn96.5Ag3.5, Sn96.5Ag3.0Cu0.5, Sn95.5Ag4.0Cu0.5
SOLDER PASTE FG	7439-92-1	Lead	R560 SN63.OPB37.0, SN62.OPB36.OAG2.0
SOLDER PASTE FG	7439-92-1	Lead	R562 SN62.OPB36.OAG2.0, SN63.OPB37.0, SN42.OPB43.0BI14.0
SOLDER PASTE FG	9002-93-1	Octylphenol, ethoxylated	R562 Sn63Pb37, Sn62Pb36Ag2, Sn43Pb43Bi14
TSF FG	872-50-4	N-Methylpyrrolidone	TSF243
TSF FG	872-50-4	N-Methylpyrrolidone	TSF6502
TSF FG	872-50-4	N-Methylpyrrolidone	TSF-6502JCR
TSF FG	872-50-4	N-Methylpyrrolidone	TSF-6502T
TSF FG	872-50-4	N-Methylpyrrolidone	TSF-6516
TSF FG	872-50-4	N-Methylpyrrolidone	TSF-6521C
TSF FG	872-50-4	N-Methylpyrrolidone	TSF-6522
TSF FG	872-50-4	N-Methylpyrrolidone	TSF-6522RH
WIRE FG	7439-92-1	Lead	SN1.OPB97.5AG1.5, SN10PB88AG2, SN5.OPB93.5AG1.5, SN63.OOPB36.65SB0.35 /44
WIRE FG	7439-92-1	Lead	SN1.OPB97.5AG1.5, SN10PB88AG2, SN29.5PB70BI.5 SOLID
WIRE FG	7439-92-1	Lead	SN10PB88AG2, SN5.OPB93.5AG1.5, SN15PB85, SN5PB95, SN60PB40, SN62PB36AG2, SN63PB37 /285
WIRE FG	7439-92-1	Lead	SN30PB70, SN40PB60, SN50PB50, SN60PB40 /ACID
WIRE FG	7439-92-1	Lead	SN35PB65, SN40PB60, SN5PB95, SN5PB92.5AG2.5 /RK3K71
WIRE FG	7439-92-1	Lead	SN40PB60, SN50PB50, SN60PB40, SN63PB37 /88
WIRE FG	7439-92-1	Lead	SN40PB60, SN50PB50, SN60PB40, SN63PB37, SN5PB95, SN5PB93.5AG1.5 SOLID
WIRE FG	7439-92-1	Lead	SN40PB60, SN50PB50, SN60PB40, SN63PB37, SN62PB36AG2 /44
WIRE FG	7439-92-1	Lead	SN40PB60, SN50PB50, SN60PB40, SN63PB37, SN62PB36AG2, SN5.OPB93.5AG1.5 /245
WIRE FG	7439-92-1	Lead	SN40PB60, SN50PB50, SN63PB37 /OR421
WIRE FG	7439-92-1	Lead	SN40PB60, SN60PB40, SN63PB37, SN5.OPB93.5AG1.5 /331
WIRE FG	7439-92-1	Lead	Sn50Pb50 /AW
WIRE FG	7439-92-1	Lead	SN60PB40, SN63PB37, /282 Wire
WIRE FG	7439-92-1	Lead	SN63PB37 /232
WIRE FG	7439-92-1	Lead	SN63PB37 /296
WIRE FG	7439-92-1	Lead	SN63PB37 /296
WIRE FG	7439-92-1	Lead	SN63PB37 /405
WIRE FG	7439-92-1	Lead	SN63PB37 PHOS SOLID
WIRE FG	7439-92-1	Lead	SN63PB37, Sn60Pb40 /275

Product name/Article name	Substance of very high concern (SVHC) - name	SVHC - CAS-no.:	Concentration range (% W/W)
979 Soldering Flux	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	2.5
979VT Soldering Flux	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	2.5
EM808 Solder Paste	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	0.475-0.575
FL250D Solder Paste	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	1.15-1.39
FL250DS Solder Paste	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	1.15-1.39
HM531 Solder Paste	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	0.475-0.575
PM202A Solder Paste	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	0.686-0.805
R231 Solder Paste	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	1.15-1.392
R500 Solder Paste	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	0.475-0.575
RF742 Rework Flux	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	12.1
RF771 Rework Flux	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	5
TSF-8818HFL Tacky Soldering Flux	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	6.9335
SF-8818HF Tack Soldering Flux	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	7.001

Product name/Article name	Substance of very high concern (SVHC) - name	SVHC - CAS-no.:	Concentration range (% W/W)
1429 Soldering Flux	Polyethylene Glycol Octylphenyl ether	9036-19-5	0.26
2222-CL Soldering Flux	Polyethylene Glycol Octylphenyl ether	9036-19-5	0.5
2331-ZX Soldering Flux	Polyethylene Glycol Octylphenyl ether	9036-19-5	1
331 Flux Core Wire	Polyethylene Glycol Octylphenyl ether	9036-19-5	0.033-0.09
5520 Cleaner	Polyethylene Glycol Octylphenyl ether	9036-19-5	0.08
5560 Cleaner	Polyethylene Glycol Octylphenyl ether	9036-19-5	0.028
920-CXF Soldering Flux	Polyethylene Glycol Octylphenyl ether	9036-19-5	0.146-0.15
951 Soldering Flux and Flux Pen	Polyethylene Glycol Octylphenyl ether	9036-19-5	0.97-0.1
953S Soldering Flux	Polyethylene Glycol Octylphenyl ether	9036-19-5	0.087-0.09
955 Soldering Flux	Polyethylene Glycol Octylphenyl ether	9036-19-5	0.534-0.55
961-E Soldering Flux	Polyethylene Glycol Octylphenyl ether	9036-19-5	0.194-0.2
OR420 Preform	Polyethylene Glycol Octylphenyl ether	9036-19-5	0.002-0.008