



October 13, 2020

REACH Declaration

Hope Industrial Systems, Inc. is committed to ensuring all of our products conform to the most recent safety standards. Since many of the electronic and mechanical components used in the manufacturing of our products come from worldwide sources, we rely upon declarations of conformity from our suppliers.

We actively pursue our suppliers to ensure that all of our components, sub-assemblies, and metalwork remain up-to-date and are in accordance with the most recent standards.

REACH (Registration, Evaluation, Authorization and Restriction of Chemicals) is a regulation covering the manufacturing and import into EU of hazardous chemicals. EC 1907/2006 Article 33.1 of the REACH regulation states that "manufacturers and importers of articles (products) are required to notify their customers of the presence of any Substances of Very High Concern (SVHC) in their products exceeding 0.1% by weight."

ECHA guidance documents suggest two methods of obtaining the necessary information to check compliance – 1) Pro-active requests in the supply chain; or 2) Chemical analyses. The ECHA guidance documents also declare that chemical analysis is only helpful in certain situations and may yield ambiguous results and be very costly, thus not recommending that as the preferred instrument of obtaining information. Therefore, we are continuing to depend on pro-active requests in the supply chain.

We make proactive requests of 100% of our component suppliers every 12 months in order to keep our certifications up to date with the latest candidate list of SVHC's. At this point in time, a very small portion of our suppliers do not have information regarding the most recent additions to the candidate list of SVHC's since it takes some time for this information to make its way down the supply chain.

As a result of the inquiries to our suppliers, Hope Industrial Systems, Inc. can declare that our products meet the substance restrictions specified in Annex XVII of REACH. Regarding SVHC's, other than the products listed in the table below, our products contain none of the substances included in the REACH Candidate List (last updated on June 25, 2020) above a concentration of 0.1% by weight. This declaration is transmitted solely upon the information which our suppliers have provided to us.

Models containing SVHC above a concentration of 0.1% by weight				
Substance	Cause	(w/w)%	Weight (g)	Models affected
Lead	Rivet		0.023	CCSER-xx
Lead	Shell		0.001	CCSER-xx
Lead	Alloying Agent	<1%		ENCL-TCxx-xxx-Lx
Lead	Diode	0.54	0.00585	HIS-xxxx-xxTx
Lead	Connector Pin	<4%		HIS-xxxx-xxTx
Lead	Solder	>0.1%		HIS-xxxx-xxTx
Lead	Solder	>0.1%		HIS-xxxx-xxTx
Lead	Die Attach		0.0787	HIS-xxxx-xxTx
Lead	Solder	>0.1%		HIS-xx19-xxxx, HIS-xx19.5-xxxx
Lead Oxide	Component	>0.1%		HIS-xx19-xxxx, HIS-xx19.5-xxxx
Boric Acid	Polarizer	0.2215	0.0863	HIS-ML20-xxxx
Lead	Diode	0.8293	0.0006	HIS-ML20-xxxx
Lead	Diode	3.067	0.0003	HIS-ML20-xxxx, HIS-xx15-xxxx
Lead	Solder	<4%		KVM2EXT-xx-xx-USB, KVM2EXT-xx-xx-PS2

Models containing SVHC above a concentration of 0.1% by weight

Substance	Cause	(w/w)%	Weight (g)	Models affected
Lead	Contact	>0.1%		KVM2EXT-xx-xx-PS2
Lead	Alloying Agent	3		MK-PC10-xxxx
Lead	Alloying Agent	0.141	0.367	MK-PC10-xxxx
Octamethylcyclotetrasiloxane	RTV	>0.1%		HIS-UMxx-xxxx, KB-xx-xx-xx, ENCL-xxxx-xxx-xx
Decamethylcyclopentasiloxane	RTV	>0.1%		HIS-UMxx-xxxx, KB-xx-xx-xx, ENCL-xxxx-xxx-xx
Dibutyl tin dis acetylacetonate	RTV	>0.1%		HIS-UMxx-xxxx, KB-xx-xx-xx, ENCL-xxxx-xxx-xx
dodecamethylcyclohexasiloxane	RTV	>0.1%		HIS-UMxx-xxxx, KB-xx-xx-xx, ENCL-xxxx-xxx-xx

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