OS[®] 1000 Crosslinking Agent Product Stewardship Summary December 2008



Chemical Name:	Methyl oximino silane
Chemical Category (if applicable):	Oxime silane
Synonyms:	OS 1000; Methyl tris-(methylethylketoximo) silane; Methyl tris-(butanone
	oxime) silane; 2-Butanone, O, O',O"-(methyl-silylidyne) trioxime; and
	Butan-2-one-O,O',O"-(methylsilyldyne) trioxime
CAS Number:	22984-54-9
CAS Name:	Methyl tris-(methylethylketoximo) silane
EC (EINECS) Number:	245-366-4
Other identifier (Please specify):	GPS0020 V1.0

- OS[®] 1000 Crosslinking Agent (OS 1000) is an essential crosslinking agent used in the production of silicone sealants. It is reacted and consumed during use.
- OS 1000 is a High Production Volume (HPV) chemical produced at over 1,000,000 pounds annually. Honeywell, as a member of a consortium, has sponsored OS 1000 under EPA's HPV Challenge program and is meeting that commitment by sponsoring the substance under the Organisation for Economic Co-operation and Development's HPV Programme.
- Workplace exposure to OS 1000 vapors and liquid may occur at sites of mixing, drumming and filling of containers, at transfer locations, and at sites of production of silicone sealants. However, significant OS 1000 exposures to workers are unlikely because closed-systems are used in the workplace. Consumers are not expected to be exposed to OS 1000 because it is consumed during use.
- OS 1000 can easily hydrolyze to release methyl ethyl ketoxime (<u>MEKO</u>). For use of MEKO in worksite safety programs, Honeywell has established an occupational exposure limit (OEL) of 3 ppm as an 8 hr time-weighted average (TWA) and a short-term exposure limit (STEL) of 10 ppm.
- OS 1000 is a clear colorless combustible liquid.

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.

- OS 1000 is slightly toxic in the unlikely event it's swallowed. It is a mild irritant to the skin and moderate irritant to eyes, and it may have potential to cause skin sensitization. If the skin is exposed for an extended period, it may be absorbed through the skin and cause harmful, but reversible effects on the blood (anemia). Breathing high concentrations of OS 1000 may cause harmful, but reversible, effects on the blood and irritate nasal passages.
- Long-term or repeated exposure to high concentrations of OS 1000 may cause harmful effects on the blood (anemia) and irritate nasal passages, but these effects are reversible and not considered serious.
- The cancer risk for OS 1000 is low.
- Toxicity of OS 1000 to aquatic organisms is considered low.
- OS 1000 is not expected to bioaccumulate because measured physico-chemical and toxicological data suggest that OS 1000 is rapidly hydrolyzed to MEKO which is absorbed, distributed and eliminated in the body. MEKO is biodegradable and will not persist in the environment.
- Please <u>contact us</u> for more information. Additional information may also be found at the following links:

Japan CHRIP Biodegradation/Bioconcentration Evaluation

