

PERSULFATES EMERGENCY RESPONSE

In the event of an emergency, take immediate action to protect yourself and others. Once you are safe, alert your supervisor. Be prepared for the worst case scenario and know the proper emergency response procedures:

ALERT PROPER AUTHORITIES

Outside agencies (fire departments, EMTs, etc.) must be made aware that persulfates are involved prior to responding to an incident. Responders must wear full protective rubber clothing, face and head protection, plus a self-contained breathing apparatus due to sulfur oxide generation.

RESPONDING TO DECOMPOSITION

Immediately following any spill or accidental mixture, dilute the chemicals with plenty of water. A 10 to 1 ratio of water to persulfate product must be applied to stop decomposition. Use available berms to contain the spill.

Remember: carbon dioxide (CO₂) or other gas-filled extinguishers will have NO effect on decomposing persulfate, but you can neutralize the decomposition by using a mild alkali such as bicarbonate until the product stops fizzing.

EMERGENCY PREVENTION

Prevention is always a best practice. Ensuring proper storage, handling and disposal of persulfates is crucial to emergency prevention. Overheating and contamination are two events that can trigger chemical emergencies.

See the companion fact sheet on dealing with spills and spill clean-up.



Refer to Safety Data Sheet for the relevant persulfate product for further information.

This information and all further technical advice are based on Evonik's present knowledge and experience. However, Evonik assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, Evonik disclaims all WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. EVONIK SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. Evonik reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.

Evonik Corporation
2 Turner Place
Piscataway, NJ 08855-0365

Phone +1 732 981-5000
active-oxygens.evonik.com