



Focused on safety in the hangar

Skydrol™ aviation hydraulic fluids

Skydrol fluids are phosphate ester-based fluids blended with performance additives. Care should be taken in handling Skydrol fluids to keep them from spilling on plastic materials and paints that tend to soften. If a small amount of Skydrol fluid is spilled during handling, wipe it up immediately with a dry cloth. When large pools form, an absorbent sweeping compound is recommended. Remove traces of fluid with an approved solvent such as SkyKleen™ aviation cleaning solvent, and wash the area with water and detergent.

Tools shouldn't soak in Skydrol fluids if they have painted areas or polyvinyl chloride (PVC) plastic handles. Many nonmetallic materials are resistant to Skydrol fluids and will not be adversely affected by it. Since it is difficult to visually distinguish between materials that are resistant and those that aren't resistant, it is highly recommended that all materials be wiped off and cleaned as soon as possible.

Skydrol fluids will not harm most clothing. Materials like rayon acetate and some types of rubber-soled shoes may soften and deteriorate when exposed to Skydrol fluids.

For safety precautions specific to your Skydrol fluid, refer to the product safety data sheet (SDS). Recommended personal protection measures should always be followed to minimize potential exposure.



Wear gloves to protect your skin.



To avoid skin exposure, a worker should wear gloves that are impervious to Skydrol. Some manufacturers claim nitrile gloves are suitable for this purpose, and nylon, latex, and polyethylene disposable gloves are also acceptable. Glove material will vary based on application. Eastman does not generally recommend the use of protective barrier creams because they do not provide complete protection. View the glove facts information at Eastman.com/AviationSafety.

Wear safety glasses to protect your eyes.



Eastman is not aware of any case of eye damage from exposure to Skydrol. If the fluid gets into the eyes, it can cause severe pain, but the pain will subside after the eye is washed with tap water or a standard eye irrigation solution for 15 minutes. Any further treatment should be given under the care of a medical professional. Milk is not recommended as an eye wash, because it is not sterile and can cause infections in the eye. Always wear safety glasses or chemical goggles to prevent eye exposure when working around Skydrol.

Wear a respirator to protect your respiratory system when mist is possible.



Upper respiratory tract irritation, including nose and throat irritation and tracheitis and/or bronchitis, can occur from inhalation of Skydrol fluid mist.

People with asthma may demonstrate a more marked reaction. When mist or vapor is possible because of high pressure leaks or any leak hitting a hot surface, a respirator capable of removing organic vapors and mists should be worn.

SDS should be consulted for all health and safety concerns.
Eastman has a dedicated full-time technical service staff
available to assist you in answering questions regarding Skydrol
hydraulic fluids.

Visit Eastman.com/Aviation to speak with a technical service
representative.



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