

U. S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form OSHA-20
OMB No. 44-1037

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME MONSANTO COMPANY	EMERGENCY TELEPHONE NO. (314) 694-1000
ADDRESS (Number, Street, City, State, and ZIP Code) 800 North Lindbergh Boulevard, St. Louis, Missouri 63166	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS Skydrol [®] 7000
CHEMICAL FAMILY Aircraft hydraulic fluid	FORMULA:

SECTION II. HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
At ambient temperature not hazardous by definitions in 29 CFR Section 1501.2 which pertains to this data sheet.					

SECTION III. PHYSICAL DATA

BOILING POINT (°F) 760mm (with decomp) > 300°C	SPECIFIC GRAVITY (H ₂ O=1) 60°F	1.086
VAPOR PRESSURE (mm Hg.) 25°C	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)	EVAPORATION RATE (_____=1)	N.A.
SOLUBILITY IN WATER Negligible	0.003%	
APPEARANCE AND ODOR Clear, light green liquid-Mild pleasant odor		

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) COC 425°F	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Dry powder, CO₂, chemical foam, water fog			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

DSW 267316

SECTION V. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Not established

EFFECTS OF OVEREXPOSURE

Impossible at ambient temperature. Excessive high temperature
may produce irritating vapors.

EMERGENCY AND FIRST AID PROCEDURES

Unlikely to be necessary. Remove to fresh air.

SECTION VI. REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

None

HAZARDOUS DECOMPOSITION PRODUCTS

Smoke, soot, CO, CO₂HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

SECTION VII. FIRE & LEAK RESPONSE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Clean up like other liquids - such as petroleum oils.

WASTE DISPOSAL METHOD

Same as motor oil

SECTION VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Not necessary due to low vapor pressure at ambient temp.

VENTILATION

LOCAL EXHAUST

If excessively high temp. or if generated as mist or aerosol

MECHANICAL (General)

Not necessary

OTHER

PROTECTIVE GLOVES

Not necessary

EYE PROTECTION

Not necessary except as good

OTHER PROTECTIVE EQUIPMENT

None

industrial practice.

SECTION IX. SPECIAL PRECAUTIONS

See attached statement

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Although no special precautions appear necessary, good industrial

practice as to housekeeping, personal hygiene, avoidance of prolonged

OTHER PRECAUTIONS

and repeated skin contact and splashing in eyes is indicated.

Monsanto

C O M P A N Y

800 N. Lindbergh Boulevard
St. Louis, Missouri 63166
(314) OXford 4-1000

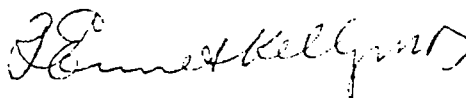
TOXICITY AND SAFE HANDLING STATEMENT

SKYDROL 7000

Undiluted Skydrol 7000 applied to the eyes of rabbits produced mild erythema of the conjunctival area with barely perceptible edema. The iris and cornea remained clear. A petroleum base fluid tested similarly caused slightly more irritation. We know from experience with humans, however, that the burning sensation and pain when humans accidentally get the material in the eyes is out of proportion to the observed effects in animals. In the case of such exposure, pain may continue for several hours and irritation may extend up to 48-72 hours. There is no danger of permanent damage to eye tissues, however. Treatment for eye contact is immediate flushing with water and the application of one of the cortisone-type eye drops. Drops of 0.5% pontocaine ophthalmic solution may also be placed in the eyes to relieve pain.

Human experience with this fluid has shown it to be neither a primary skin irritant nor sensitizer. It is an excellent solvent for the naturally occurring oils on the skin surface. Repeated and prolonged skin exposure may lead to the removal of the oils and lead to drying and cracking. Consequently, we recommend that repeated and prolonged skin contact be avoided.

There have been no cases of systemic toxicity resulting from exposure to Skydrol 7000 since its introduction in 1948.



R. Emmet Kelly, M. D.
Medical Director

REK:cjs

January 26, 1968

DSW 267318

STLCOPCB4062731