Form Approved OMB No. 44-R1387
Approval Expires: July 30, 1972

U.S. DEPARTMENT OF LABOR

Form No. OSHA-20
May, 1971

MATERIAL SAFETY DATA SHEET

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: Santosafe W/G 20
CHEMICAL FAMILY: Hydraulic Fluid
FORMULA: Mixture

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)
Not hazardous by definitions in 29 CFR section 1501.2 which pertains to this data sheet.		

SECTION III PHYSICAL DATA

BOILING POINT	760 mm. IDP	110°C	SPECIFIC GRAVITY (H_2O=1)	20/20°C	1.08
VAPOR PRESSURE (mm Hg.)	25°C	< 24 mm	PERCENT VOLATILE BY VOLUME (%)		~ 43
VAPOR DENSITY (AIR=1)		N.A.	EVAPORATION RATE (=1)		N.A.
SOLUBILITY IN WATER		Complete			

APPEARANCE AND ODOR: Red liquid with slight haze - faint amine odor

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): None
FLAMMABLE LIMITS: LEL | UEL
EXTINGUISHING MEDIA
SPECIAL FIRE FIGHTING PROCEDURES
UNUSUAL FIRE AND EXPLOSION HAZARDS

DSW 267308

STLCOPCB4062721

Santosafe W/G 20

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Not established.

EFFECTS OF OVEREXPOSURE Liquid is slight eye irritant

EMERGENCY AND FIRST AID PROCEDURES Flush eyes thoroughly with water.

SECTION VI REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATABILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Clean up like other non-hazardous liquids.

WASTE DISPOSAL METHOD Same as motor oil.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) None

VENTILATION		
	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES

EYE PROTECTION Chemical goggles

OTHER PROTECTIVE EQUIPMENT

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Exposure to elevated temperatures can cause evaporation which will reduce the safety of this fluid.

OTHER PRECAUTIONS

DSW 267309

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, MONSANTO COMPANY MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

HOH:JTG:WBP 8/28/72

STLCOPCB4062722