25-1837 (REV. 9-68)

HAZARDOUS MATERIALS DATA SHEET
(PLEASE COMPLETE APPLICABLE SECTIONS)

DPM# 518
DAO # 2

1. PRODUCT NAME, NUMBER, SYNONYM: Sovasol No. 5, Product No. 09050

2. MANUFACTURER'S NAME: Mobil Oil Corporation

3. MANUFACTURER'S ADDRESS: P. O. Box 3311, Beaumont, Texas 77704

4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Normal clean up for flammable materials.

5. TRANSPORTATION AND STORAGE REQUIREMENTS: Combustible materials handling procedures.

6. FIRST AID TREATMENT:

A. SKIN CONTACT: Wash with soap and water

B. EYE CONTACT: Flush with water only

C. INHALATION: Remove from exposure

D. ANTIDOTE IN CASE OF SWALLOWING: Do not induce vomiting or lavage. Administration of vegetable oil recommended if large quantity injested.

7. PHYSIOLOGICAL PROPERTIES:

A. ACUTE ORAL TOXICITY: 29.3 avg (15.0-57.5) mg/kg (rats)

B. LOCAL EFFECTS UPON EYES: Mild irritant

C. LOCAL EFFECTS UPON SKIN: Not a primary irritant (rabbits)
Acute dermal LD_{50} 8g/kg (rabbits)

D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS):
Acute hazard low
Chronic hazard moderate

E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): sweet

F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): TLV = 500 ppm

8. CHEMICAL AND PHYSICAL PROPERTIES:

A. SPECIFIC GRAVITY (WATER = 1) .78

B. VAPOR DENSITY (AIR =1) Not determined

C. VAPOR PRESSURE mm Hg AT 25°C. Approximately 1.5#

D. pH Not applicable

E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS:
Non-corrosive

F. DOES THE MATERIAL DECOMP WHEN EXPOSED TO AIR? WATER? HEAT? ST G OXIDIZERS? Air (No); Water (No); Evaporates when heated. Flash at 102°F. It is not an oxidizer.

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Petroleum Naphtha	
Aromatics (No benzene)	10-15%
Paraffinic & Naphthenic Hydrocarbons	85-90%
Boiling Range - IBP = 313°F; 50% = 339°F; ASTM End Point = 389°F.	

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Avoid prolonged or repeated contact with the skin. Avoid prolonged inhalation of vapors or mists.

10. RECOMMENDED PROTECTIVE EQUIPMENT: Skin and respiratory equipment, if indicated.

11. A. FLASHPOINT °F: CLOSED CUP _____; OPEN CUP _____; IF F.P. CHANGES DURING EVAPORATION GIVE DATA:

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER 1.0; UPPER 6.0

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES _____; NO No

D. FIRE POINT °F Not determined; AUTO IGNITION TEMPERATURE °F 450-500

E. VAPOR DENSITY About 4.0 compared to air = 1.0

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? CO, CO_2, H_2O

G. SUITABLE EXTINGUISHING AGENTS: CO_2, foam

12. INFORMATION FURNISHED BY: J. D. VanZandt

TITLE: Regional Industrial Hygienist

COMPANY: Mobil Oil Corporation

ADDRESS: P. O. Box 3311, Beaumont, Texas 77704

DATE: 11/12/70

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE TREATED AS CONFIDENTIAL AND USED FOR THE PURPOSE OF PROTECTING THE HEALTH AND SAFETY OF MCDONNELL DOUGLAS CORP. EMPLOYES AND THE SAFEGUARDING OF ITS PROPERTY. IT WILL ALSO BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.

DAM # 518
DAC #2
Solvent

RECEIVED

Mobil Oil Corporation

P.O. BOX 3311
BEAUMONT, TEXAS 77704

1970 NOV 16 AM 11:57

November 12, 1970

DACO

Douglas Aircraft Company
3885 Lockwood Boulevard
Long Beach, California 90801

Attention: Mr. J. J. Baldi

SOVASOL #5

Attached is the toxicological information on Sovasol #5. If we can be of any further help please let us know.

Yours very truly,

J. D. Van Zandt

J. D. Van Zandt
Regional Industrial Hygienist

JDVZ: cmb
Attachment