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MATERIAL SAFETY DATA SHEET
MSDS for 24-2070 SPIRIT PROCESS FLUID, TYPE I.

1 -Section I - Product Identification

Manufacturer's Name A.B.DICK COMPANY	Emergency Phone Number (24 Hours) (312) 763-1900
Street Address 5700 WEST TOUHY AVENUE	MSDS Request Phone Number 1-800-752-5139, Ext. 2531
City, State, Zip Code NILES, ILLINOIS 60714	For MSDS via Fax: 1-800-995-0088
Product Use: SPIRIT PROCESS.	Date Prepared: October 19, 1944
Chemical Name, Trade Name, Synonyms	Prepared By: Kenneth W. Pinter

HMIS RATING
3 - Health 3 - Flammability 0 - Reactivity B - Personal Protection

2 -Section II - Hazardous Ingredients

Hazardous Components	CAS NO.	% WT.	Exposure Limits		
			OSHA PEL	ACGIH TLV	OTHER
ETHYL ALCOHOL	64-17-5	>90	1000 PPM.	1000 PPM.	
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	<10	100 PPM.	100 PPM.	

3 -Section III - Physical Data

Boiling POINT(F): 178	pH: N.A.
Vapor Pressure(mm Hg): 47	Freezing Point(F): N.A.
Vapor Density (AIR = 1): 1.7	VOC: 6.92 LBS/GAL
Specific Gravity (H2O=1): 0.829	Color And Odor: COLORLESS / ALCOHOL

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3 -Section III - Physical Data (continued)

Odor Threshold: N.D. | Physical State: LIQUID

Evaporation Rate (Butyl Acetate = 1): N.D.

Solubility in Water: COMPLETE.

4 -Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): | Flammable Limits: ETHANOL
60 (F) T.C.C. | LEL: 3.3 | UEL: 19

Auto-ignition Temperature: N.D.

Extinguishing Media: WATER FOG / FOAM / ALCOHOL FOAM / CO2 / DRY CHEMICAL.

Special Fire Fighting Procedures: AVOID WATER STREAMS WHICH MAY SPLASH AND SPREAD FLAMING LIQUID. FIREFIGHTERS SHOULD USE SELF CONTAINED BREATHING EQUIPMENT AND PROTECTIVE CLOTHING FOR FIRES IN ENCLOSED AREAS.

Unusual Fire And Explosion Hazards: BURNS READILY. FLAMMABLE VAPORS MAY SPREAD AWAY FROM SPILL. CONTAINER MAY EXPLODE IN HEAT OF FIRE.

5 -Section V - Reactivity Data

Stability Unstable : | Conditions to Avoid:
Stable : X | FIRE, SPARKS. DO NOT SMOKE WHILE USING.

Incompatibility (Materials to Avoid): STRONG OXIDIZING MATERIAL.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, FORMALDEHYDE , AND OTHER TOXIC GASES.

Hazardous | May Occur: | Conditions to Avoid: KEEP AWAY FROM
Polymerization | Will Not Occur: X | OPEN FLAME, HEAT AND SPARKS.

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6 -Section VI - Health Hazard Data (Acute and Chronic)

Primary Route(s) of Entry: SKIN, INHALATION, INGESTION.

Oral Ingestion: MAY BE HARMFUL AND/OR FATAL. MAY CAUSE BLINDNESS, DIZZINESS, NAUSEA AND HEADACHES.

Eye Contact: MAY CAUSE IRRITATION.

Skin Contact: MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. CAN CAUSE IRRITATION, DRYNESS, DERMATITIS AND ERYTHEMA.

Inhalation: MAY CAUSE DIZZINESS, NAUSEA, VISUAL IMPAIRMENT, RESPIRATORY FAILURE, MUSCULAR INCOORDINATION AND NARCOSIS.

Effects of Overexposure: MAY CAUSE EYE AND SKIN IRRITATION, NAUSEA, DIZZINESS AND BE FATAL IF SWALLOWED.

Medical Conditions Generally Aggravated by Exposure | EYE AND SKIN DISORDERS.

Carcinogenicity: NOT KNOWN TO BE CARCINOGENIC.

Mutagenicity: NOT KNOWN TO BE MUTAGENIC.

Teratogenicity: NOT KNOWN TO BE TERATOGENIC.

Reproductive Toxicity: NOT KNOWN TO HAVE REPRODUCTIVE TOXICITY.

FIRST AID PROCEDURES

Ingestion: CALL A PHYSICIAN IMMEDIATELY. DRINK LARGE AMOUNTS OF WATER, INDUCE VOMITING BY GIVING IPENAC SYRUP (ONE TABLESPOONFUL). DO NOT USE TABLE SALT SOLUTION.

Eye: FLUSH WITH LARGE AMOUNTS OF WATER. CONSULT A PHYSICIAN.

Skin: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES.

Inhalation: REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF BREATHING DIFFICULTY PERSISTS.

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7 -Section VII - Toxicology Information

Ingredient	Inhalation LC50	Oral LD50(RATS)	Dermal LD50(RABBITS)
ETHYL ALCOHOL	20,000PPM(10HRS).	7060 mg/KG.	N.D.
DIPROPYLENE GLYCOL MONOMETHYL ETHER	N.D.	N.D.	N.D.

8 -Section VIII - Spill or Leak Procedure

Steps to be taken in case material is released or spilled:
ELIMINATE ALL SOURCES OF IGNITION. WIPE UP SMALL SPILLS WITH DAMP CLOTH.
DILUTE LARGE SPILLS WITH A WATER SPRAY AND COLLECT FOR DISPOSAL.

Disposal Method: INCINERATE OR IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL
REGULATIONS FOR FLAMMABLE WATER SOLUBLE WASTES.

9 -Section IX - Special Protection Information

Ventilation Local Exhaust: DON'T USE IN CLOSED ROOM. Special: N.A.
Mechanical(General): ACCEPTABLE. Other: N.A.

Respiratory Protection: PROVIDE ADEQUATE VENTILATION TO MEET TLV/PEL
REQUIREMENTS

Protective Clothing: RUBBER GLOVES AND PROTECTIVE APRONS TO PREVENT SKIN
CONTACT.

Eye Protection: SAFETY GLASSES.

Other Protective Equipment: WASH WITH SOAP AND WATER IMMEDIATELY AFTER SKIN
CONTACT.

10 -Section X - Special Precautions

Precautions to be taken in Handling and Storing:
AVOID SPILLING. DO NOT USE AS A CLEAN-UP SOLVENT. STORE IN CLOSED CONTAINERS
IN COOL PLACES. STORE OUT OF REACH OF CHILDREN.

Other Precautions: NONE.

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11 -Section XI - Transportation Information

Hazard Class: 3
DOT Proper Shipping Name: CONTACT A. B. DICK CO. FOR PROPER SHIPPING NAME

12 -Section XII - Regulatory Information

CERCLA/SUPERFUND, 40 CFR 117,302: THIS PRODUCT CONTAINS DOES NOT CONTAIN ANY REPORTABLE QUANTITY (RQ) SUBSTANCES.

SARA(TITLE III) - Sections 302, 311, 312, and 313:

Section 302 Extremely Hazardous Substances (40 CFR 355): THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENTS LISTED AS AN EXTREMELY HAZARDOUS SUBSTANCE.

Section 311 and 312 MSDS Submission and Inventory Reporting (40 CFR 370): THIS PRODUCT CONTAINS MATERIALS THAT MAY REQUIRE REPORTING UNDER 311 & 312 IF STORED IN LARGE ENOUGH QUANTITIES.

Section 313 Toxic Chemical Release Reporting (40 CFR 372): THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENTS ON THE LIST OF TOXIC CHEMICALS.

TOXIC SUBSTANCES CONTROL ACT (TSCA):
This product complies with rules and regulations of TSCA.

California Proposition 65: THIS PRODUCT DOES NOT CONTAIN ANY MATERIALS, THAT ARE CURRENTLY LISTED BY THE STATE OF CALIFORNIA UNDER PROPOSITION 65.

13 -Section XIII - Addition Information

NONE.

N.D. = No Data N.A. = Not Applicable
The information herein given in good faith but no warranty, express or implied, is made.

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