

22805, 22905

MATERIAL SAFETY DATA SHEET
MSDS for 24-2060 SPIRIT PROCESS FLUID, TYPE II.

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, 1994
Chemical Name, Trade Name, Synonyms: NONE.	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	35	1000 PPM.	1000 PPM.		
METHYL ALCOHOL	67-56-1	60	200PPM(SKIN).	200PPM(SKIN).		
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	5	100 PPM.	100 PPM.		

3 -Section III - Physical Data

Boiling POINT(F): 150-160	pH: N.A.
Vapor Pressure(mm Hg): 50	Freezing Point(F): N.A.
Vapor Density (AIR = 1): 1.5	VOC: 6.68 LBS/GAL
Specific Gravity (H2O=1): 0.80	Color And Odor: COLORLESS / ALCOHOL

22905

MATERIAL SAFETY DATA SHEET
MSDS for 24-2060 SPIRIT PROCESS FLUID, TYPE II.

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): 55 (F) T.C.C. | Flammable Limits: LEL: 6 UEL: 36

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

22805, 22905

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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, SKIN, LIVER AND KIDNEY 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	Oral	Dermal
	LC50	LD50(RATS)	LD50(RABBITS)
METHYL ALCOHOL	64,000PPM(4HRS).	9110 mg/KG.	20 g/KG
ETHYL ALCOHOL	20,000PPM(10HRS).	7060 mg/KG.	N.D.
DIPROPYLENE GLYCOL MONOETHYL 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:
REMOVE SOURCES OF IGNITION. WIPE UP SMALL SPILLS WITH DAMP CLOTH.
DILUTE LARGE SPILLS WITH A WATER SPRAY TO REDUCE FLAMMABILITY AND SOAK UP
NON-COMBUSTIBLE ABSORBENT MATERIAL.

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 ENCLOSED CONTAINERS IN
COOL PLACES. STORE OUT OF REACH OF CHILDREN.

Other Precautions: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. USE WITH

22805, 22905

MATERIAL SAFETY DATA SHEET
MSDS for 24-2060 SPIRIT PROCESS FLUID, TYPE II.

10 -Section X - Special Precautions (continued)

ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.

11 -Section XI - Transportation Information

Hazard Class: 3
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S. (METHANOL, ETHANOL),
3, UN1993, II

12 -Section XII - Regulatory Information

CERCLA/SUPERFUND, 40 CFR 117,302: THIS PRODUCT CONTAINS METHANOL A REPORTABLE QUANTITY (RQ) SUBSTANCE.

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 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 CONTAINS METHANOL WHICH MAY REQUIRE REPORTING UNDER SECTION 313.

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.