

MATERIAL SAFETY DATA SHEET  
MSDS for 4-1235, 4-1237, 4-1239 AUTOMATIC BLANKET WASH.

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## 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	Date Prepared: January 20, 1994
Product Use: OFFSET PRINTING CLEAN-UP.	Prepared By: Kenneth W. Pinter
Chemical Name, Trade Name, Synonyms: N.A.	

## HMIS RATING

2\*- Health      2 - Flammability      0 - Reactivity      B - Personal Protection

## 2 -Section II - Hazardous Ingredients

Hazardous Components	CAS NO.	% WT.	Exposure Limits		
			OSHA PEL	ACGIH TLV	OTHER
PETROLEUM NAPHTHA (ALIPHATIC)	64742-48-9	80-85	500 PPM.	100 PPM.	
PERCHLOROETHYLENE	127-18-4	10-15	50 PPM.	50 PPM.	

## 3 -Section III - Physical Data

Boiling POINT(F): 250-350	pH: N.A.
Vapor Pressure(mm Hg): CA. 10	Freezing Point(F): N.A.
Vapor Density (AIR = 1): > 1.0	VOC: 8.32 LBS/GAL
Specific Gravity (H2O=1): 0.998	Color And Odor: GREEN / GASOLINE

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## 3 -Section III - Physical Data (continued)

Odor Threshold: N.D.

Physical State: LIQUID

Evaporation Rate (Butyl Acetate = 1): SPOT DRY APPROX. 300 SECONDS

Solubility in Water: INSOLUBLE.

## 4 -Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED):  
115 (F) T.C.C.Flammable Limits:  
LEL: 1.0 UEL: 6.0

Auto-ignition Temperature: N.D.

Extinguishing Media: FOAM / CO2 / DRY CHEMICAL.

Special Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire And Explosion Hazards: POSSIBLE TOXIC COMBUSTION PRODUCTS FROM  
THE PERCHLOROETHYLENE.

## 5 -Section V - Reactivity Data

Stability            Unstable :            | Conditions to Avoid: EXPOSURE TO OPEN FLAMES  
                     Stable    : X            |

Incompatibility (Materials to Avoid): CAUSTIC / OXIDIZING MATERIAL.

Hazardous Decomposition Products: TOXIC FUMES OF CHLORIDES AND POSSIBLE  
PHOSGENE.Hazardous            | May Occur:            | Conditions to Avoid: EXPOSURE TO OPEN  
Polymerization | Will Not Occur: X            | FLAMES.

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

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

Oral Ingestion: IRRITATION OF GASTRO-INTESTINAL TRACT, INCLUDING NAUSEA, VOMITING AND DIARRHEA. ASPIRATION OF LIQUID INTO LUNGS CAN RESULT IN CHEMICAL PNEUMONITIS AND PULMONARY EDEMA.

Eye Contact: CAN CAUSE IRRITATION, REDNESS, TEARING.

Skin Contact: PROLONGED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATING AND DERMATITIS.

Inhalation: CAN CAUSE RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE NAUSEA AND HEADACHE.

Effects of Overexposure: MAY CAUSE NAUSEA, HEADACHE, DIZZINESS, DROWSINESS AND VERTIGO. MAY CAUSE SKIN IRRITATION, MAY CAUSE LIVER AND KIDNEY DAMAGE.

Medical Conditions Generally Aggravated by Exposure	SKIN DISORDER, LIVER AND KIDNEY DAMAGE. INCREASED SENSITIVITY OF THE HEART TO ADRENALIN.
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Carcinogenicity: THE NATIONAL CANCER INSTITUTE HAS CONCLUDED FROM THE RESULTS OF A BIOASSAY THAT PERCHLOROETHYLENE IS A LIVER CARCINOGEN WHEN GIVEN ORALLY TO LABORATORY TEST MICE. OVER EXPOSURE TO PERCHLOROETHYLENE HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: LIVER ABNORMALITIES, KIDNEY, LUNGS, BRAIN AND SPLEEN DAMAGE.

Mutagenicity: NOT KNOWN TO BE MUTAGENIC

Teratogenicity: NOT KNOWN TO BE TERATOGENIC.

Reproductive Toxicity: NOT KNOWN TO HAVE REPRODUCTIVE TOXICITY.

FIRST AID PROCEDURES

Ingestion: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

Eye: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION.

Skin: WASH WITH SOAP AND WATER.

Inhalation: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN.

7 -Section VII - Toxicology Information

Ingredient	Inhalation LC50	Oral LD50(RATS)	Dermal LD50(RABBITS)
PETROLEUM NAPHTHA	N.D.	N.D.	N.D.
PERCHLOROETHYLENE	N.D.	8850 mg/KG	N.D.

8 -Section VIII - Spill or Leak Procedure

Steps to be taken in case material is released or spilled:  
WIPE UP WITH DRY CLOTH. MATERIAL IS COMBUSTIBLE AND CARE SHOULD BE TAKEN TO AVOID FIRE. REMOVE ANY POSSIBLE IGNITION SOURCE.

Disposal Method: USE APPROVED DISPOSAL METHOD FOR COMBUSTIBLE FLUIDS CONTAINING CHLORINATED MATERIAL.

9 -Section IX - Special Protection Information

Ventilation	Local Exhaust: SEE SECTION (10) Mechanical(General): ACCEPTABLE.	Special: N.A. Other: N.A.
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Respiratory Protection: NONE REQUIRED WHEN USED AS INTENDED.

Protective Clothing: RUBBER GLOVES TO PREVENT SKIN CONTACT.

Eye Protection: NOT NORMALLY NECESSARY.

Other Protective Equipment: ALTHOUGH DIRECT CONTACT WITH THE HANDS SHOULD NOT OCCUR DURING RECOMMENDED USAGE, IT WOULD BE ADVISABLE TO WEAR RUBBER GLOVES IF SUCH EXPOSURE IS IMMINENT OR POSSIBLE.

10 -Section X - Special Precautions

Precautions to be taken in Handling and Storing: APPROXIMATELY 20 cu.ft/MINUTE OF AIR SHOULD BE BROUGHT INTO THE DUPLICATING AREA ROOM EVERY MASTER CLEAN-UP IF USED IN COMBUSTION WITH AN ELECTROFAX OFFSET MASTER SYSTEM, THE VOLUME OF AIR SHOULD BE INCREASED TO ABOUT 35 cu.ft/MINUTE.

Other Precautions: N.A.

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11 -Section XI - Transportation Information

Hazard Class: N.A.  
DOT Proper Shipping Name: NOT REGULATED

12 -Section XII - Regulatory Information

CERCLA/SUPERFUND, 40 CFR 117,302: THIS PRODUCT CONTAINS PERCHLOROETHYLENE A REPORTABLE QUANTITY (RQ) SUBSTANCE AND IF 2.2 POUNDS OF PRODUCT ARE RELEASED THE NATIONAL RESPONSE, WASHINGTON D.C. MUST BE NOTIFIED (1-800-424-8802).

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 MATERIAL MAY REQUIRE REPORTING UNDER 311 & 312 IF STORED IN LARGE ENOUGH QUANTITIES.

Section 313 Toxic Chemical Release Reporting (40 CFR 372): THIS PRODUCT CONTAINS PERCHLOROETHYLENE 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 CONTAINS PERCHLOROETHYLENE CURRENTLY LISTED BY THE STATE OF CALIFORNIA UNDER PROPOSITION 65 AS CARCINOGEN.

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.