

MATERIAL SAFETY DATA SHEET

4-4315, 4-4317, 4-4319 OFFSET ROLLER CLEANER & BLANKET WASH

Revision Date:5/1/13

Section I - Product Identification

Manufacturer's Name Mark Andy, Inc.	Emergency Phone Number (24 Hours) CHEMTREC @ (800)424-9300
-----	MSDS access online at:
Street Address 18081 Chesterfield Airport Road	https://shop.markandy.com/msds
-----	Customer Service: (US) 800-225-4835 (CAN) 800-387-3143
City,State,Zip Code Chesterfield, MO 63005	-----
General Phone:636-532-4433	Date Prepared: February 8, 1995

Product Use: OFFSET PRINTING.	Prepared By: Kenneth W. Pinter

Chemical Name, Trade Name, Synonyms: HYDROCARBON MIXTURE.	

HMIS RATING

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

Section II - Hazardous Ingredients

Hazardous Components	CAS NO.	% WT.	Exposure Limits		
			OSHA PEL	ACGIH TLV	OTHER
PETROLEUM NAPHTHA	64742-47-8	100	500 PPM.	100 PPM	

Section III - Physical Data

Boiling POINT(F): 316 TO 358	pH: N.A.

Vapor Pressure(mm Hg): 7.5 @100 F.	Freezing Point(F): N.A.

Vapor Density (AIR = 1): 4.7	VOC: 6.43 LBS/GAL

Specific Gravity (H2O=1): 0.770	Color And Odor: CLEAR/NAPHTHA

Odor Threshold: N.D.	Physical State: LIQUID

Evaporation Rate (Butyl Acetate = 1): .15	

Solubility in Water: INSOLUBLE.	Weight/Gallon: 6.41 lbs

Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): 104(F) T.C.C.	Flammable Limits:
-----	LEL: 1.0% UEL: 7.0%
Auto-ignition Temperature: N.D.	

Extinguishing Media: FOAM / CO2 / DRY CHEMICAL.	

Special Fire Fighting Procedures: USE SELF-CONTAINED BREATHING APPARATUS FOR FIRE FIGHTERS. WATER MAY BE UNSUITABLE AS AN EXTINGUISHING MEDIA BUT HELPFUL IN KEEPING ADJACENT CONTAINER COOL. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.	

Unusual Fire And Explosion Hazards: KEEP WORK AREAS FREE OF HOT METAL SURFACES AND OTHER SOURCES OF IGNITION.	

Section V - Reactivity Data

Stability	Unstable :	Conditions to Avoid: OPEN FLAMES, ESPECIALLY
-----	Stable : X	NEAR SPILLS. DO NOT SMOKE WHILE USING.

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Incompatibility (Materials to Avoid): ACIDS, BASES, OXIDIZING AGENTS AND
SELECTED AMINES.

Hazardous Decomposition Products: CARBON MONOXIDE / CARBON DIOXIDE.

Hazardous | May Occur: | Conditions to Avoid: NONE.
Polymerization | Will Not Occur: X |

Section VI - Health Hazard Data (Acute and Chronic)

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

Oral Ingestion: INGESTION OF EXCESSIVE QUANTITIES MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT AND SIGNS OF NERVOUS SYSTEM DEPRESSION (E.G., DROWSINESS, DIZZINESS, LOSS OF COORDINATION, AND FATIGUE). ASPIRATION HAZARD-THIS MATERIAL CAN ENTER LUNGS DURING SHALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND DAMAGE.

Eye Contact: MAY CAUSE IRRITATION, REDNESS, TEARING, STINGING & BLURRED VISION

Skin Contact: SOME IRRITATION, DEFATTING AND DERMATITIS MAY OCCUR WITH PROLONGED OR REPEATED CONTACT. MAY CAUSE REDNESS, BURNING AND DRYING AND CRACKING OF SKIN.

Inhalation: BREATHING HIGH CONCENTRATIONS OF VAPORS OR MISTS MAY CAUSE NOSE & THROAT IRRITATION. SIGNS OF NERVOUS SYSTEM DEPRESSION (E.G., DROWSINESS, DIZZINESS, LOSS OF COORDINATION, AND FATIGUE).

Effects of Overexposure: POSSIBLE RESPIRATORY IRRITATION, HEADACHE, DIZZINESS, NAUSEA AND FATIGUE. REDNESS AND BURNING OF THE SKIN.

Medical Conditions Generally Aggravated by Exposure | PRE-EXISTING SKIN AND LUNG DISORDERS. | (ASTHMA-LIKE CONDITIONS).

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: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

Eye: FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION.

Skin: WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

Inhalation: REMOVE TO FRESH AIR. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION.

Section VII - Toxicology Information

Ingredient	Inhalation LC50	Oral LD50 (RATS)	Dermal LD50 (RABBITS)
PETROLEUM NAPHTHA	N.D.	N.D.	N.D.

Section VIII - Spill or Leak Procedure

Steps to be taken in case material is released or spilled:

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MATERIAL IS VOLATILE AND COMBUSTIBLE AND CARE SHOULD BE TAKEN TO PREVENT FIRE. SPILLED MATERIAL MAY BE PUMPED INTO ANOTHER CONTAINER OR ABSORBED AND REMOVED FROM AREA. KEEP SPARKS, FLAMES AND IGNITION SOURCES OUT OF AREA.DON'T INHALE.

Disposal Method: IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS FOR COMBUSTIBLE PETROLEUM WASTE.

Section IX - Special Protection Information

Ventilation Local Exhaust: PREFERABLE. Special: N.A.
Mechanical(General): ACCEPTABLE. Other: N.A.

Respiratory Protection: NOT REQUIRED WHEN USED AS INTENDED.

Protective Clothing: IMPERMEABLE GLOVES TO PREVENT PROLONGED AND REPEATED CONTACT.

Eye Protection: SAFETY GLASSES. CHEMICAL WORKERS GOGGLES.

Other Protective Equipment: IMPERMEABLE APRONS TO PREVENT ACCIDENTAL CONTACT.

Section X - Special Precautions

Precautions to be taken in Handling and Storing: KEEP PRODUCT CONTAINERS COOL, DRY AND AWAY FROM SOURCES OF IGNITION. USE AND STORE WITH ADEQUATE VENTILATION KEEP CONTAINERS TIGHTLY CLOSED. "EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. KEEP AWAY FROM SOURCES OF IGNITION.

Other Precautions: AVOID INHALATION OF VAPORS. PERSONAL CONTACT SHOULD BE AVOIDED ON CONTACT REMOVE SATURATED CLOTHING/SHOES AND FLUSH AFFECTED AREAS WITH WATER.

Section XI - Transportation Information

Hazard Class: 3
DOT Proper Shipping Name:Combustible Liquid (Naphtha),3, un 1993, III
IATA and IMDG: Flammable Liquids N.O.S. (Naphtha), 3, UN 1993, III

Section XII - Regulatory Information

CERCLA/SUPERFUND,40 CFR 117,302: THIS PRODUCT DOES NOT CONTAIN 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 EXTREMELY HAZARDOUS SUBSTANCE.

Section 311 and 312 MSDS Submission and Inventory Reporting (40 CFR 370): THIS PRODUCT CONTAINS MATERIAL WHICH MAY REQUIRE REPORTING UNDER 311 AND 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 MATERIAL, THAT ARE CURRENTLY LISTED BY THE STATE OF CALIFORNIA UNDER PROPOSITION 65.

Section XIII - Addition Information

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE (SOMETIMES REFERRED TO AS SOLVENT OR PAINTERS SYNDROME). INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALAING THIS PRODUCT MAY BE HARMFUL OR FATAL.

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