

MATERIAL SAFETY DATA SHEET

DAP, INC.
P.O. BOX 277
DAYTON, OH 45401-0277

MSDS NO: DAP / 30503
INTERNAL ID: 30503
ORIGINAL CONTACT CEMENT
REVISION: 9
DATE: MAY 27, 1993

NATIONAL PAINT
AND COATINGS
ASSOCIATION

HAZARDOUS MATERIAL
IDENTIFICATION
SYSTEM

HEALTH HAZARD	2 - MODERATE
FLAMMABILITY HAZARD	3 - SERIOUS
REACTIVITY HAZARD	0 - MINIMAL
PERSONAL PROTECTION	B - GLASSES, GLOVES

SECTION I. MATERIAL IDENTIFICATION

TRADE/MATERIAL NAME: ORIGINAL CONTACT CEMENT

DESCRIPTION: CONTACT CEMENT

CAS: MIXTURE

MSDS REVISION DATE: APRIL 30, 1993

SHIPPING NAME (49 CFR 172.101): ADHESIVE (CONSUMER COMMODITY*)
D.O.T. HAZARD CLASS (49 CFR 172.101): 3 (ORM-D*)
D.O.T. ID NO. (49 CFR 172.101): UN 1133 (NONE*)
D.O.T. LABEL REQUIRED (49 CFR 172.101): FLAMMABLE LIQUID (NONE*)
D.O.T. PACKAGING GROUP (49 CFR 172.101): II (NONE*)
EPA WASTE CODE - IF DISCARDED (40 CFR 261): D001-IGNITABLE

*FOR METAL CONTAINERS OF 32 OZ. OR LESS

MANUFACTURER: DAP, INC.
P.O. BOX 277
DAYTON, OH 45401-0277

PHONE: 24 HOUR EMERGENCY:
INFO TRAC 1-800-535-5053
DAP, INC. 1-800-543-3840
GENERAL INFORMATION:
DAP, INC. 1-800-543-3540

SECTION II. INGREDIENTS AND HAZARDS

INGREDIENT NAME:	CAS NUMBER:	PERCENT:	EXPOSURE LIMITS:
LACTOL SPIRITS	64742-89-8	50-55	OSHA PEL: 400PPMTWA
+TOLUENE	108-88-3	15-20	OSHA PEL: 100PPMTWA OSHA STEL: 150PPM ACGIH TLV: 100PPM ACGIH STEL: 150PPM
+METHYL ETHYL KETONE	78-93-3	10-15	OSHA PEL: 200PPM TWA OSHA STEL: 300PPM ACGIH TLV: 200PPMTWA ACGIH STEL: 300PPM

REMAINING INGREDIENTS ARE NOT REGULATED BY OSHA AND ARE CONSIDERED TRADE SECRETS.

IF PRESENT, CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED BY A (+) PRECEDING THE CHEMICAL NAME ABOVE.



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SECTION III. PHYSICAL DATA

APPEARANCE & ODOR: TAN PASTE WITH HYDROCARBON ODOR

BOILING POINT: 170-180F

VAPOR PRESSURE: 70MMHG @ 100F

WATER SOLUBILITY (%): INSOLUBLE

VAPOR DENSITY (AIR=1): 2.5

EVAPORATION RATE: (N-BUTYL ACETATE):

>1

SPECIFIC GRAVITY (H2O=1): 0.81

% VOLATILE BY VOLUME: 85-90

VOC LESS WATER LESS EXEMPT SOLVENT (G/LITER): 670-675

VOC MATERIAL (G/LITER): 670-675

SECTION IV. FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): 21F MINIMUM

LIMITS: LEL %: NE

UEL %: NE

EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICALS, WATER FOG

UNUSUAL FIRE OR EXPLOSION HAZARDS: CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT. ELIMINATE SOURCES OF IGNITION: HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAMES. DO NOT PUT IN CONTACT WITH OXIDIZING OR CAUSTIC MATERIALS.

SPECIAL FIRE-FIGHTING PROCEDURES: FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS, IS RECOMMENDED TO PROTECT FROM COMBUSTION PRODUCTS. COOL EXPOSED CONTAINERS WITH WATER.

SECTION V. REACTIVITY DATA

MATERIAL IS STABLE . HAZARDOUS POLYMERIZATION WILL NOT OCCUR .

CHEMICAL INCOMPATIBILITIES: STRONG OXIDIZERS AND CAUSTICS, ALUMINUM AND GALVANIZED METALS.

CONDITIONS TO AVOID: EXCESSIVE HEAT AND FREEZING, CONTACT WITH REACTIVE METALS SUCH AS ALUMINUM AND MAGNESIUM.

HAZARDOUS DECOMPOSITION PRODUCTS: NORMAL COMBUSTION PRODUCTS, I.E. COX, NOX, HCL, PHOSGENE, AND CHLORINE.

SECTION VI. HEALTH HAZARD INFORMATION

THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY NTP, OSHA, OR IARC

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: NONE KNOWN.

PRIMARY ENTRY ROUTE(S): INHALATION OF SOLVENT VAPOR AND SKIN CONTACT

ACUTE EFFECTS: MAY IRRITATE EYES, SKIN, NOSE, AND RESPIRATORY TRACT. HARMFUL IF INHALED. HARMFUL OR FATAL IF SWALLOWED. IF INGESTED, THIS PRODUCT MAY CAUSE VOMITTING, DIARRHEA, AND DEPRESSED RESPIRATION. INHALATION MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE, OR NAUSEA. ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

CHRONIC EFFECT(S): REPORTS HAVE ASSOCIATED PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE WITH PROLONGED AND REPEATED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS. OVEREXPOSURE OR MISUSE OF TOLUENE CAN CAUSE LIVER, KIDNEY, AND BRAIN DAMAGE AS WELL AS CARDIAC ABNORMALITIES. PROLONGED OR REPEATED CONTACT WITH SKIN CAN CAUSE DEFATTING OF THE SKIN WHICH MAY LEAD TO DERMATITIS.

HEALTH HAZARD INFORMATION CONTINUES ON PAGE 3

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HEALTH HAZARD INFORMATION CONTINUED FROM PAGE 2

FIRST AID:

EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.
CONTACT A PHYSICIAN IMMEDIATELY.

SKIN CONTACT: WASH IMMEDIATELY WITH SOAP AND WATER.

INHALATION: REMOVE TO FRESH AIR. CONTACT A PHYSICIAN IMMEDIATELY.

INGESTION: DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN OR
REGIONAL POISON CONTROL CENTER IMMEDIATELY.

SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES

SPILL / LEAK PROCEDURES: DIKE SPILL AREA. USE ABSORBENT MATERIAL OR SCRAPE UP DRIED
MATERIAL AND PLACE INTO CONTAINERS.

WASTE MANAGEMENT / DISPOSAL: DISPOSE OF ACCORDING TO FEDERAL, STATE, AND LOCAL
STANDARDS. DISCARDED MATERIAL SHOULD BE INCINERATED AT A PERMITTED FACILITY.
LIQUIDS CANNOT BE DISPOSED OF IN A LANDFILL. DO NOT REUSE EMPTY CONTAINER.

SECTION VIII. SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT:

GOGGLES: GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS

GLOVES: SOLVENT IMPERVIOUS GLOVES

RESPIRATOR: IF 8-HOUR EXPOSURE LIMIT OR VALUE IS EXCEEDED FOR ANY COMPONENT, USE
AN APPROVED NIOSH/OSHA RESPIRATOR. CONSULT YOUR SAFETY EQUIPMENT
SUPPLIER AND THE OSHA REGULATION, 29 CFR 1910.134 FOR RESPIRATOR
REQUIREMENTS.

WORKPLACE CONSIDERATIONS:

VENTILATION: PROVIDE SUFFICIENT MECHANICAL VENTILATION (LOCAL OR GENERAL EXHAUST)
TO MAINTAIN EXPOSURE BELOW PEL AND TLV. VAPORS ARE HEAVIER THAN AIR
AND WILL COLLECT IN LOW AREAS. CHECK ALL LOW AREAS (BASEMENTS, SUMPS,
ETC.) FOR VAPOR BEFORE
ENTERING.

SAFETY STATIONS:

PROVIDE EYEWASH AND SOLVENT IMPERVIOUS APRON IF BODY CONTACT WITH
PRODUCT MAY OCCUR.
BARRIER CREAMS MAY BE USED.

CONTAMINATED EQUIPMENT:

WASH CONTAMINATED CLOTHING BEFORE REUSE.



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:-----: SECTION IX. SPECIAL PRECAUTIONS :-----:

STORAGE SEGREGATION: STORE AWAY FROM CAUSTICS AND OXIDIZERS.

SPECIAL HANDLING / STORAGE: KEEP CONTAINERS AWAY FROM EXCESSIVE HEAT AND FREEZING. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. DO NOT STORE AT TEMPERATURES ABOVE 120F.

OTHER PRECAUTIONS: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING VAPORS MAY BE HARMFUL OR FATAL.

DOT CLASS: SEE SECTION I

UN REGISTER: SEE SECTION I

THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE IF THEY ARE APPROPRIATE.