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to
56-6758

MATERIAL SAFETY DATA SHEET

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

MSDS NO: DAP / 20104
INTERNAL ID: 20104
DERUSTO RUST PREVENTATIVE
ENAMEL - SEMIGLOSS AND
METALLIC FINISHES
REVISION: 2
DATE: FEBRUARY 24, 1989

NATIONAL PAINT
AND COATINGS
ASSOCIATION

HAZARDOUS MATERIAL
IDENTIFICATION
SYSTEM

HEALTH HAZARD	1 - SLIGHT
FLAMMABILITY HAZARD	2 - MODERATE
REACTIVITY HAZARD	0 - MINIMAL
PERSONAL PROTECTION	B - GLASSES, GLOVES

SECTION I. MATERIAL IDENTIFICATION

TRADE/MATERIAL NAME: DERUSTO RUST PREVENTATIVE ENAMEL - SEMIGLOSS AND METALLIC FINISHES

DESCRIPTION: ALKYD RESIN PAINT

OTHER DESIGNATIONS: PC SERIES BRUSHABLE PAINT

CAS: MIXTURE

SHIPPING NAME (49 CFR 172.101): PAINT (NA*)
D.O.T. ID NO. (49 CFR 172.101): UN 1263 (NA*)
D.O.T. LABEL REQUIRED (49 CFR 172.101): NONE (NA*)
EPA HAZARD CLASS - IF DISCARDED (40 CFR 261): 0001-IGNITABLE

*FOR CONTAINERS OF 110 GALLONS OR LESS

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

PHONE: 1-800-543-3840
IN OHIO: 1-513-253-7154

SECTION II. INGREDIENTS AND HAZARDS

INGREDIENT NAME:	CAS NUMBER:	PERCENT:	EXPOSURE LIMITS:
MINERAL SPIRITS	64742-88-7	25-40	OSHA PEL: 400PPM TWA*

REMAINING INGREDIENTS ARE NOT REGULATED BY OSHA AND ARE CONSIDERED TRADE SECRETS.
**AS STODDARD SOLVENT

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SECTION III. PHYSICAL DATA

APPEARANCE & ODDOR: OPAQUE LIQUID, VARIOUS COLORS; GASOLINE-LIKE ODDOR
BOILING POINT: 310-395F
VAPOR PRESSURE: 2 MMHG @ 20C
WATER SOLUBILITY (%): NEGLIGIBLE
VAPOR DENSITY (AIR=1): 5.0
EVAPORATION RATE: (TOLUENE=1): 0.06
SPECIFIC GRAVITY (H2O=1): 0.9 - 1.1
% VOLATILE BY VOLUME: 30-55
%OC LESS WATER LESS EXEMPT SOLVENT (G/LITER): 402(MAX)
%OC MATERIAL (G/LITER): 402(MAX)

SECTION IV. FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): (C.C.) 105F LIMITS: LEL %: 1.0 UEL %: 7.0
EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICALS
UNUSUAL FIRE OR EXPLOSION HAZARDS: CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME HEAT. ELIMINATE SOURCE OF IGNITION: HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN 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 AT ROOM TEMPERATURE. HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
CHEMICAL INCOMPATIBILITIES: STRONG OXIDIZERS AND CAUSTICS
CONDITIONS TO AVOID: EXCESSIVE HEAT
HAZARDOUS DECOMPOSITION PRODUCTS: NORMAL COMBUSTION PRODUCTS, I.E. COX, NOX

SECTION VI. HEALTH HAZARD INFORMATION

THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY NTP, IARC AND OSHA.
MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: NONE KNOWN
PRIMARY ENTRY ROUTE(S): INHALATION OF SOLVENT VAPORS
ACUTE EFFECTS: MAY IRRITATE EYES, SKIN, NOSE, AND UPPER RESPIRATORY TRACT. HARMFUL IF INHALED. HARMFUL OR FATAL IF SWALLOWED. IF INGESTED CAUSES VOMITING, DIARRHEA, AND DEPRESSED RESPIRATION. INHALATION MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE, OR NAUSEA.
CHRONIC EFFECT(S): REPORTS HAVE ASSOCIATED PROLONGED AND REPEATED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

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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: VACUUM UP AND REUSE EXCESS LIQUID. ABSORB REMAINING
LIQUID WITH ABSORBENT MATERIAL AND PLACE INTO CONTAINERS.

WASTE MANAGEMENT / DISPOSAL: DISPOSE OF ACCORDING TO FEDERAL, STATE, AND LOCAL
REGULATIONS. DISCARDED MATERIAL SHOULD BE INCINERATED
AT A PERMITTED FACILITY.

SECTION VIII. SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT:

GOGGLES: GOGGLES OR SAFETY GLASSES WITH EYE 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 OCCURS.
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 OUT OF REACH OF CHILDREN. KEEP CONTAINERS FROM EXCESSIVE HEAT AND FREEZING. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. DO NOT STORE AT TEMPERATURES ABOVE 120F.

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

UN REGISTER: UN 1263 (NA*)

*FOR CONTAINERS OF 110
GALLONS OR LESS

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 WHETHER THEY ARE APPROPRIATE.

DAP INC.
ENVIRONMENTAL AFFAIRS DEPT.
P.O. BOX 277 DAYTON, OH 45401
EMERGENCY PHONE NO.: 1-800-453-7154
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TO: 0442830000
PAXTON/PATTERSON
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CHICAGO , IL 606385585

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THIS MSDS COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

PLEASE DO NOT DESTROY THIS INFORMATION, FILE IT WITH YOUR PERMANENT RECORDS OF PRODUCT INFORMATION. IF YOUR DEPARTMENT IS NOT RESPONSIBLE FOR THESE FILES, PLEASE FORWARD THIS INFORMATION TO THE APPROPRIATE DEPARTMENT.

MSDS DEFINITIONS

ABBREVIATIONS:

ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENIST
CAS - CHEMICAL ABSTRACT SERVICE
CFR - CODE OF FEDERAL REGULATIONS
DOT - DEPARTMENT OF TRANSPORTATION
EPA - ENVIRONMENTAL PROTECTION AGENCY
HMIS - HAZARDOUS MATERIAL IDENTIFICATION SYSTEM
IARC - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
NA - NOT APPLICABLE
NE - NOT ESTABLISHED
NTP - NATIONAL TOXICOLOGY PROGRAM
PEL - PERMISSIBLE EXPOSURE LIMIT
RCRA - RESOURCE CONSERVATION AND RECOVERY ACT
RTECS - REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
SARA - SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT OF 1986
STEL - SHORT TERM EXPOSURE LIMIT (FOR 15-MINUTE PERIOD)
TLV - THRESHOLD LIMIT VALUE (8-HOUR TIME WEIGHTED AVERAGE)
TSCA - TOXIC SUBSTANCES CONTROL ACT (EPA INVENTORY OF TOXIC SUBSTANCES)
VOC - VOLATILE ORGANIC COMPOUNDS
NJRTK - NEW JERSEY RIGHT TO KNOW

SECTION I - MATERIAL IDENTIFICATION

PROVIDES PRODUCT INFORMATION INCLUDING: PRODUCT AND MANUFACTURER NAME, DOT CLASSIFICATION NAMES OF SUBSTANCES OF LISTED ON EPA PRIORITY POLLUTANTS LIST, CAS REGISTRY NUMBER, AND GENERIC DESCRIPTION OF THE PRODUCT.

SECTION II - HAZARDOUS INGREDIENTS

ALL HAZARDOUS INGREDIENTS OF REPORTABLE QUANTITIES ARE LISTED IN THIS SECTION. ALSO INCLUDED ARE CAS REGISTRY NUMBERS, PERCENT OF TOTAL PRODUCT AND KNOWN EXPOSURE LIMITS. SARA 313 CHEMICALS ARE ALSO LISTED.

HAZARDOUS COMPONENT IS LISTED IF:

- 1.) IT IS A SUBSTANCE LISTED IN THE OSHA Z-TABLES WITH AN ESTABLISHED PEL; AND/OR
- 2.) IT HAS AN ACGIH TLV; AND/OR
- 3.) IT IS LISTED AS A CARCINOGEN BY NTP, IARC, OR OSHA; AND/OR
- 4.) IT HAS A FLASH POINT BELOW 200 F; AND/OR
- 5.) IT MAY UNDERGO HAZARDOUS POLYMERIZATION; AND/OR
- 6.) IT IS A STRONG OXIDIZING OR CAUSTIC AGENT; AND/OR
- 7.) IT CAUSES SKIN BURNS; AND/OR
- 8.) IT IS A SUBSTANCE LISTED IN SARA 313.

HAZARDOUS COMPONENT MEETING AT LEAST ONE OF THESE CRITERIA IS LISTED IF IT IS PRESENT IN ONE OR MORE PERCENT OF THE PRODUCT. SUSPECT CARCINOGENS AND OTHER ACUTE HEALTH HAZARDS ARE LISTED IF PRESENT IN AT LEAST ONE-TENTH OF ONE PERCENT OF THE PRODUCT.

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SECTION III - PHYSICAL DATA

GIVES AVAILABLE PHYSICAL DATA FOR THE PRODUCT.

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT IS CLOSED CUP UNLESS OTHERWISE INDICATED.

SPECIAL FIREFIGHTING PROCEDURES: EXPLAINS PROTECTIVE EQUIPMENT AND PROCEDURES FOR FIREFIGHTERS TO PROTECT FROM COMBUSTION PRODUCTS.

SECTION V - REACTIVITY DATA

INDICATES WHETHER MATERIAL WILL REACT VIOLENTLY UNDER CONDITIONS SPECIFIED. ALSO STATES MATERIALS AND CONDITIONS TO AVOID WHICH MIGHT CREATE UNSTABLE CONDITIONS.

SECTION VI - HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE: ACUTE (IMMEDIATE) & CHRONIC (LONG-TERM) HEALTH EFFECTS OF OVEREXPOSURE TO THE HAZARDOUS COMPONENTS OF THE PRODUCTS. LOCAL AND SYSTEMIC EFFECTS TO SKIN, EYES, PULMONARY SYSTEM.

FIRST AID PROCEDURES: GENERAL GUIDELINES IN CASE OF OVEREXPOSURE IF PHYSICIAN IS NOT IMMEDIATELY AVAILABLE.

PRIMARY ENTRY ROUTE: MOST LIKELY ENTRY ROUTE OF THE PRODUCT INTO THE BODY. TOXICITY RATINGS, WHEN AVAILABLE, ARE PROVIDED FOR HAZARDOUS INGREDIENTS; THIS INFORMATION IS GATHERED FROM RTECS REFERENCES.

SECTION VII - SPILL, LEAK, AND DISPOSAL PROCEDURES

PRECAUTIONS TO BE TAKEN AND METHODS OF CLEAN-UP AND DISPOSAL OF MATERIALS IN CASE OF SPILLAGE OF PRODUCT. CONSULT FEDERAL, STATE AND LOCAL REGULATIONS FOR ACCEPTABLE DISPOSAL METHODS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT AND WORKPLACE CONSIDERATIONS ARE GIVEN IN THIS SECTION.

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE INFORMATION CAN BE FOUND IN THIS SECTION. ANY OTHER RELEVANT INFORMATION NOT PREVIOUSLY MENTIONED WILL BE COVERED IN THIS SECTION.