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MATERIAL SAFETY DATA SHEET

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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

THIS MATERIAL SAFETY DATA SHEET IS AVAILABLE IN SPANISH UPON REQUEST.

LOS DATOS DE SEGURIDAD DEL PRODUCTO PUEDEN OBTENERSE EN ESPANOL SI LO REQUIERE.

PRODUCT NAME : DERUSTO RPE METALLIC COATING  
 UPC NUMBER : 52259, 54611, 54612, 54613, 54615, 54616, 54617,  
 54619, 54623, 55375, 55380  
 PRODUCT USE/CLASS : Aerosol Paint  
 MSDS NUMBER : 20100

MANUFACTURER: DAP INC.  
 2400 BOSTON STREET  
 BALTIMORE, MD 21224

24 HOUR EMERGENCY:  
 TRANSPORTATION: 1-800-535-5053  
 MEDICAL : 1-800-327-3874

PREPARE DATE : 03/18/98  
 REVISION NO. : 9  
 REVISION DATE: 03/18/98

GENERAL INFORMATION:  
 DAP INC.: 1-800-543-3840

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % RANGE
01	N-butane	106-97-8	10.0-20.0 %
02	Toluene	108-88-3	20.0-60.0 %
03	Xylene	1330-20-7	5.0-10.0 %
04	Trimethylbenzene	25551-13-7	1.0-5.0 %
05	Mineral spirits	64742-88-7	1.0-5.0 %
06	Aromatic hydrocarbon	64742-95-6	1.0-15.0 %
07	Propane	74-98-6	10.0-20.0 %
08	Aluminum Flake	7429-90-5	1.0-5.0 %
09	VM & P Naphtha	8030-30-6	1.0-15.0 %
10	Mineral spirits	8052-41-3	1.0-5.0 %
11	Copper	7440-50-8	1.0-15.0 %
12	Zinc	7440-66-6	1.0-5.0 %
13	Acetone	67-64-1	15.0-20.0 %

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EXPOSURE LIMITS

ITEM	ACGIH		OSHA		COMPANY	SKIN
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	
01	800 ppm	N.E.	800 ppm	N.E.	N.E.	NO
02	50 ppm.	N.E.	100 ppm.	N.E.	N.E.	YES
03	100 ppm	150 ppm	N.E.	100 ppm	N.E.	NO

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

EXPOSURE LIMITS

ITEM	ACGIH		OSHA		COMPANY	SKIN
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	
04	25 ppm	N.E.	25 ppm	N.E.	N.E.	NO
05	100 mg/m3	N.E.	100 mg/m3	N.E.	N.E.	NO
06	400 ppm	N.E.	500 ppm	N.E.	N.E.	NO
07	1000 ppm	N.E.	1000 ppm	N.E.	N.E.	NO
08	10 mg/m3	N.E.	15 mg/m3	N.E.	N.E.	NO
09	300 ppm	N.E.	300 ppm	N.E.	N.E.	NO
10	300 ppm	N.E.	300 ppm	N.E.	N.E.	NO
11	.2 mg/m3	N.E.	.1 mg/m3	N.E.	N.E.	NO
12	N.E.	N.E.	N.E.	N.E.	N.E.	NO
13	750 ppm	1000 ppm	750 ppm	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

Remaining ingredients are not considered hazardous per the OSHA Hazard Communication Standard.

Listed Permissible Exposure Levels (PEL) are from the U.S. Dept. of Labor OSHA Final Rule Limits (CFR 29 1910.1000); limits may vary between states.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: DANGER! Extremely flammable liquid and vapor. Vapors may cause flash fire. Harmful or fatal if swallowed. Vapor harmful. Contents under pressure. Harmful if inhaled. Exposure to temperatures above 120 degrees F. may cause can to rupture.

POTENTIAL HEALTH EFFECTS:

EFFECTS OF OVEREXPOSURE - EYE CONTACT: May cause eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May irritate skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EFFECTS OF OVEREXPOSURE - INHALATION: Vapor harmful if inhaled. Vapor may cause nose and throat irritation. Vapor inhalation may affect the brain or nervous system causing dizziness, headache or nausea. Inhalation of high concentrations of vapor is harmful and may lead to heart irregularities.

EFFECTS OF OVEREXPOSURE - INGESTION: This material may be harmful or fatal if swallowed. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal. If ingested, this product may cause vomiting, diarrhea, and depressed respiration.

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SECTION 3 - HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Reports have associated permanent brain and nervous system damage with prolonged and repeated occupational overexposure to solvents. Overexposure or misuse of toluene and xylene can cause liver, kidney, and brain damage as well as cardiac abnormalities. Symptoms include: loss of memory, loss of intellectual ability, and loss of coordination.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: If dry sanded, asthma and asthma-like conditions may worsen from prolonged or repeated exposure to dust.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Flush with large quantities of water until irritation subsides.

SKIN CONTACT: Wash with soap and water.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult,

INGESTION: DO NOT INDUCE VOMITING

COMMENTS: Call Medical in Section 1 if irritation or complications arise from any of the above routes.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: Aerosol. Extremely Flammable. LOWER EXPLOSIVE LIMIT: N.A.  
UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: N.E.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM

UNUSUAL FIRE AND 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 FIREFIGHTING PROCEDURES: Full protective equipment, including self-contained breathing apparatus, is recommended to protect from combustion products. Cool exposed containers with water.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Use absorbent material or scrape up dried material and place into containers.

SECTION 7 - HANDLING AND STORAGE

**HANDLING INFORMATION:** KEEP OUT OF REACH OF CHILDREN. Avoid skin and eye contact. Avoid breathing vapors. Use only in a well ventilated area. Make sure nozzle arrow is directed away from yourself prior to discharge.

**STORAGE INFORMATION:** Store away from caustics and oxidizers. Keep away from heat, spark, and flame. Keep containers tightly closed when not in use. Keep containers from excessive heat and freezing. Do not store at temperatures above 120 degrees F.

**OTHER PRECAUTIONS:** Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal. Do not take internally.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** 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 vapors before entering.

**RESPIRATORY PROTECTION:** If 8 hour exposure limit or value is exceeded for any component, use an approved NIOSH respirator. Consult your safety equipment supplier and the OSHA regulation, 29 CFR 1910.134 for respirator requirements. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**EYE PROTECTION:** Goggles or safety glasses with side shields.

**SKIN PROTECTION:** Solvent impervious gloves.

**OTHER PROTECTIVE EQUIPMENT:** None.

**HYGIENIC PRACTICES:** Remove contaminated clothing and wash before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: N.A.	VAPOR DENSITY	: Is heavier than air
ODOR	: Gasoline-like		
APPEARANCE	: Metallic color	EVAPORATION RATE:	Is faster than Butyl Acetate
SOLUBILITY IN H2O	: Negligible		

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY : 0.74-0.79  
VAPOR PRESSURE : N.E.  
PHYSICAL STATE : Liquid

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Excessive heat and freezing.

INCOMPATIBILITY: Strong oxidizers and caustics.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal decomposition products, i.e. COx,  
NOx

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

SECTION 12 - ECOLOGICAL INFORMATION

No Information.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT/DISPOSAL: Dispose of according to Federal, State, and Local Standards. Use all material before disposal. If unable to use entire contents of can, relieve pressure in container until it equals external pressure. Incineration of this can without first relieving all pressure may result in an explosion and personal injury. Responsibility for proper waste disposal is with the owner of the waste.

EPA WASTE CODE - If discarded (40 CFR 261): D001-Ignitable(if residue remains).

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SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Consumer Commodity\*

DOT HAZARD CLASS: ORM-D\*

DOT UN/NA NUMBER: NONE\*

PACKING GROUP: NONE\*

\* For aerosol containers of 13 Fl. Oz. or less.

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT/WT % RANGE
Toluene	108-88-3	20.0-60.0 %
Xylene	1330-20-7	5.0-10.0 %
Copper	7440-50-8	1.0-15.0 %

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

CHEMICAL NAME	CAS NUMBER
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No information is available.

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

CHEMICAL NAME	CAS NUMBER
Hydrocarbon resin	TSRN-618608-5091P
Acrylic copolymer resin	TSRN-618608-5173P

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

CHEMICAL NAME	CAS NUMBER
Hydrocarbon resin	proprietary
Acrylic copolymer resin	proprietary

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SECTION 15 - REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause birth defects or other reproductive harm:

----- CHEMICAL NAME -----	CAS NUMBER
Toluene	108-88-3

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: Consumer commodity sold in retail market.

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2      FLAMMABILITY: 4      REACTIVITY: 1

PREVIOUS MSDS REVISION DATE: 02/01/97

This product is classified as a metallic coating and contains a maximum of 80% VOC by weight.

Changes were made in:

1. Added UPC#s and Medical information in Section 1.
2. Added hazardous ingredients in Section 2.
3. Added Medical reference in Section 4.
4. Changed VOC statement in Section 16.

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SECTION 16 - OTHER INFORMATION

LEGEND: ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS  
N.A. - NOT APPLICABLE  
N.E. - NOT ESTABLISHED  
PEL - PERMISSIBLE EXPOSURE LIMIT  
NTP - NATIONAL TOXICOLOGY PROGRAM  
SARA - SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986  
STEL - SHORT TERM EXPOSURE LIMIT  
TLV - THRESHOLD LIMIT VALUE (8 HR. TIME WEIGHTED AVERAGE OR TWA)  
VOC - VOLATILE ORGANIC COMPOUND  
NJRTK - NEW JERSEY RIGHT TO KNOW LAW  
N.D. - NOT DETERMINED

Supersedes MSDS# 20100 Revision 8, MSDS# 21020 Revision 5, MSDS# 21021  
Revision 5, MSDS# 20501 Revision 4, MSDS# 20502 Revision 5, MSDS# 20503  
Revision 7

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 the recommendations in specific context of the intended use and determine if



they are appropriate.

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