

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

NPCA 1-72
(Similar to Form OSHA-20)

Date of PREP: 03/12/85

SECTION I

Manufacturer's Name: PPG Industries, Inc. Coatings & Resins Group
Address: 3800 W. 143rd Street -Cleveland, Oh 44111
Attn: Technical Manager, AutoRefinish
Emergency Telephone: (304) 843-1300

Product Class: ACRYLIC

Manufacturer Code: **DAR2058**

Trade Name: DELSTAR ACRYLIC ENAMEL

(062083D)

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	% WEIGHT	*TLV(1984)	**PPG IPEL	CASNO	LEL	V.P.
ACRYLONITRILE	<.01	2.00	PPM	107-13-1	3.0	84.0
XYLENE	50	100.00	PPM	1330-20-7	1.1	6.3

SECTION III - PHYSICAL DATA

Boiling Range: 80-194 DEG.C. Vapor Density - HEAVIER THAN AIR
Evaporation Rate - SLOWER THAN ETHER % Volatile/Vol: 58.54 Wt/Gal: 8.81

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT Category: FLAMMABLE

Flashpoint: 75 DEG.F. PMCC

LEL: 1.1

Extinguishing Media:

USE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM) DESIGNED TO EXTINGUISH NFPA CLASS IC FLAMMABLE LIQUID FIRES.

Unusual Fire & Explosion Hazards:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DO NOT APPLY ON HOT SURFACES.

Special Fire Fighting Procedures:

WATER SPRAY MAY BE INEFFECTIVE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE.

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: SEE SEC. II

Effects of Overexposure:

INHALATION: ANESTHETIC. AVOID BREATHING OF VAPORS AND SPRAY MISTS. IRRITATION OF THE RESPIRATORY TRACT OR ACUTE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS: HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS, OR COMA. MATERIAL CONTAINS ACRYLONITRILE POLYMERS AND MUST NOT BE MASS HEATED WITHOUT AIR SAMPLING TO DETERMINE COMPLIANCE WITH OSHA 1910.1045.
SKIN OR EYE CONTACT: PRIMARY IRRITATION.

Emergency and First Aid Procedures:

FUMES: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. NOTIFY A PHYSICIAN. SPLASH (EYES): FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF RUNNING WATER FOR AT LEAST 15 MINUTES. TAKE TO A PHYSICIAN FOR DEFINITIVE MEDICAL TREATMENT. SPLASH (SKIN): WASH AFFECTED AREAS WITH WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE Conditions to Avoid: UNKNOWN

Incompatibility (Materials to Avoid): UNKNOWN

Hazardous Decomposition Products:

May produce hazardous fumes when heated to decomposition as in welding.
Fumes may contain: Carbon Monoxide and Acrylonitrile

Hazardous Polymerization - WILL NOT OCCUR

CONDITIONS TO AVOID: UNKNOWN

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Continued on Page 2

NOTE: * - Threshold Limit Value established by American Conference of Governmental Industrial Hygienists
** - PPG'S Internal Permissible Exposure Limit

REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, AND ELECTRICAL, STATIC, OR FRICTIONAL SPARKS). AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

Waste Disposal Method:

DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection:

OUTDOOR/OPEN AREAS: USE FILTER TYPE RESPIRATORS (NIOSH/MSHA TC21C) TO REMOVE SOLID AIRBORNE PARTICULATES FROM OVERSPRAY. RESTRICTED VENTILATION AREAS: USE COMBINATION ORGANIC VAPOR-FILTER TYPE RESPIRATORS (NIOSH/MSHA TC23C) DESIGNED TO PURIFY THE AIR BY REMOVING SOLID AIRBORNE PARTICULATES AND ORGANIC VAPORS. CONFINED AREAS: USE SUPPLIED AIR RESPIRATORS OR HOODS (NIOSH/MSHA TC19C). IN ALL CASES, PLEASE READ MANUFACTURER'S INSTRUCTIONS CAREFULLY TO DETERMINE THE TYPE OF AIRBORNE CONTAMINANTS AGAINST WHICH THE RESPIRATOR IS EFFECTIVE, AND HOW IT IS TO BE PROPERLY FITTED.

Ventilation:

PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE CONCENTRATION OF HAZARDOUS INGREDIENTS LISTED IN SECTION II BELOW THE LOWEST SUGGESTED EXPOSURE LIMITS, THE LEL IN SECTION IV BELOW THE STATED LIMIT, AND TO REMOVE DECOMPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT.

Protective Gloves:

REQUIRED FOR PROLONGED OR REPEATED CONTACT.

Eye Protection:

USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

Other Protective Equipment:

PREVENT PROLONGED SKIN CONTACT TO CONTAMINATED CLOTHING.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing:

DO NOT STORE ABOVE 120 F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFPA CLASS IC FLAMMABLE LIQUIDS.

Other Precautions:

REPEATED OVEREXPOSURES TO SOLVENT VAPORS MAY CAUSE PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL OR FATAL. EYE WATERING, HEADACHES, OR DIZZINESS ARE INDICATIONS THAT SOLVENT LEVELS ARE TOO HIGH. OVEREXPOSURE MAY BE PREVENTED BY ENSURING VENTILATION CONTROLS, VAPOR EXHAUST OR FRESH AIR ENTRY. PROTECTIVE DEVICES SUCH AS A RESPIRATOR (MINIMUM NIOSH/MSHA TC-23C SPECIFICATION), GLOVES AND CLOTHING MAY ALSO LIMIT EXPOSURE.

DO NOT TAKE INTERNALLY. CONTAINERS SHOULD BE GROUNDED WHEN POURING. AVOID FREE FALL OF LIQUID IN EXCESS OF A FEW INCHES. DO NOT FLAME CUT, BRAZE OR WELD WITHOUT NIOSH APPROVED RESPIRATORS OR APPROPRIATE VENTILATION.