

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

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

Date of PREP: 11/29/83

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: SOLVENT BLEND

Manufacturer Code: **DTR602W.C.**

Trade Name: REDUCER

(110483D)

SECTION II - HAZARDOUS INGREDIENTS

| INGREDIENTS | % WEIGHT | *TLV(1984) | **PPG IPEL | CASNO | LEL | V.P. |
|---------------------------------------|----------|------------|------------|-----------|-----|-------|
| VM&P NAPHTHA | 35 | 300.00 | PPM | N.E. | 1.0 | 38 |
| 2-PROPANONE | 20 | 750.00 | PPM | 67-64-1 | 2.6 | 186.0 |
| TOLUENE | 15 | 100.00 | PPM | 108-88-3 | 1.2 | 22.4 |
| 2-BUTOXY ETHYL ACETATE | 15 | .NE | . | 112-07-2 | 1.2 | 1.2 |
| MINERAL SPIRITS-RULE 66 | 10 | .NE | . | 8032-32-4 | 1.0 | 2 |
| PROPYLENE GLYCOL METHYL ETHER ACETATE | < 5 | .NE | . | 108-65-6 | 1.3 | 3.7 |
| AROMATIC HYDROCARBON | < 5 | 100.00 | PPM | N.E. | 0.9 | 1 |

SECTION III - PHYSICAL DATA

Boiling Range: 57-210 DEG.C. Vapor Density - HEAVIER THAN AIR
Evaporation Rate - SLOWER THAN ETHER % Volatile/Vol: 100.0 Wt/Gal: 6.64

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT Category: EXTREMELY FLAMMABLE Flashpoint: 4 DEG.F. PMCC LEL: 1.8
Extinguishing Media:

USE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR ALCOHOL FOAM) DESIGNED TO EXTINGUISH NFPA CLASS IB 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. IRRITATION OF THE RESPIRATORY TRACT OR ACUTE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS: HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS, OR COMA.
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.
Fumes may contain: Carbon Monoxide and

Continued on Page 2

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

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:

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:

FOR EMERGENCIES OR WORKING IN CONFINED AREAS, WEAR SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR RESPIRATORY PROTECTION. IN OTHER CIRCUMSTANCES INVOLVING POTENTIAL OVER EXPOSURES, USE MSHA-APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:

PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE CONCENTRATION OF HAZARDOUS INGREDIENTS IN SEC.II BELOW THE LOWEST SUGGESTED EXPOSURE LIMIT, AND LEL IN SEC.IV BELOW STATED LIMIT.

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 IB 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.