

REPUBLIC POWDERED METALS INC -- 503 DURATHANE SEALANT -- 8030-00F019533

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Product Identification  
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Product ID:503 DURATHANE SEALANT

MSDS Date:11/03/1989

FSC:8030

NIIN:00F019533

MSDS Number: BLQKT

=== Responsible Party ===

Company Name:REPUBLIC POWDERED METALS INC

Address:2628 PEARL RD

Box:724

City:MEDINA

State:OH

ZIP:44258

Info Phone Num:(216) 225-3192

Emergency Phone Num:(216) 225-3192

CAGE:92414

=== Contractor Identification ===

Company Name:REPUBLIC POWDERED METALS INC

Address:2628 PEARL ROAD

Box:724

City:MEDINA

State:OH

ZIP:44256

Country:US

Phone:330-225-3192; 800-255-1136

CAGE:92414

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Composition/Information on Ingredients  
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Ingred Name:METHYLENE BISPHENYL ISOCYANATE (MDI) (SARA III)

CAS:101-68-8

RTECS #:NQ9350000

Fraction by Wt: <0.5%

Other REC Limits:0.005 PPM

OSHA PEL:C, 0.02 PPM

ACGIH TLV:0.005 PPM; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)

CAS:5124-30-1  
RTECS #:NQ9250000  
Fraction by Wt: <0.5%  
Other REC Limits:0.005 PPM  
OSHA PEL:C, 0.01 PPM  
ACGIH TLV:0.005 PPM; 9192

Ingred Name:HIGHER OLIGOMERS OF MDI, POLYMETHYLENE POLYPHENYLENE  
POLYISOCYANATE  
CAS:9016-87-9  
RTECS #:TR0350000  
Fraction by Wt: <0.5%

Ingred Name:ISOPHORONE DIISOCYANATE (SARA III)  
CAS:4098-71-9  
RTECS #:NQ9370000  
Fraction by Wt: <0.5%  
Other REC Limits:0.005 PPM  
OSHA PEL:S 0.005PPM/0.02STEL  
ACGIH TLV:0.005 PPM; 9394

Ingred Name:POLYOL  
Fraction by Wt: 60-80%

Ingred Name:TRADE SECRET FOR SOLID FILLERS  
Fraction by Wt: 15-25%

Ingred Name:SOLVENT NAPHTHA, PETROLEUM, LIGHT AROMATIC C8-C10  
(AROMATIC  
100)  
CAS:64742-95-6  
Fraction by Wt: 5-15%  
ACGIH TLV:100 PPM

Ingred Name:TOLUENE DIISOCYANATE  
CAS:26471-62-5  
RTECS #:HQ9490000  
Fraction by Wt: <0.5%  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: IRRITATION. SKIN: POSSIBLE  
IRRITATION & DERMATITIS. INHALATION: PULMONARY (LUNG)  
SENSITIZATION, LEADING TO ASTHMA TYPE SPASMS. INGESTION: TOXIC  
EFFECTS, GASTROINTESTINAL PROBLEMS, & VOMIT IN LUN GS CAN CAUSE  
CHEMICAL PNEUMONITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES: IRRITATION: SKIN: POSSIBLE IRRITATION &  
DERMATITIS. INHALATION: PULMONARY (LUNG) SENSITIZATION LEADING TO  
ASTHMA TYPE SPASMS, PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE.  
INGESTION: TOXIC EFFECTS, G ASTROINTESTINAL PROBLEMS, & VOMIT IN  
LUNGS CAN CAUSE CHEMICAL PNEUMONITIS.

Medical Cond Aggravated by Exposure:PULMONARY (LUNG) SENSITIVITY

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===== First Aid Measures =====

First Aid:EYES: FLUSH W/COPIOUS AMOUNTS OF WATER. SKIN: WASH  
THOROUGHLY  
W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS  
STOPPED, GIVE ARTIFICIAL RESPIRATION. INGESTION: DON'T INDUCE  
VOMITING. VOMIT IN LUNGS CAN CAUSE CHEMICAL PNEUMONITIS. GIVE  
WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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===== Fire Fighting Measures =====

Flash Point Method:SCC  
Flash Point:150F  
Lower Limits:1%  
Extinguishing Media:WATERSPRAY, WATERFOG, CO2, FOAM  
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS & FULL  
PROTECTIVE CLOTHING.  
Unusual Fire/Explosion Hazard:WATER SPRAY MAY BE USED TO COOL CLOSED  
CONTAINERS TO PREVENT PRESSURE BUILD-UP DUE TO HEAT OR FLAME.  
COBUSTIBLE LIQUID.

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===== Accidental Release Measures =====

Spill Release Procedures:REMOVE SOURCES OF HEAT, FLAMES, & SPARKS.  
CONFINE SPILL. ALLOW TO HARDEN & SCRAPE UP. IF SPILL IS LARGE,  
WEAR  
APPROPRIATE RESPIRATOR.

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Handling and Storage  
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Handling and Storage Precautions:USE W/ADEQUATE VENTILATION. KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE <180F. FOR MAXIMUM STORAGE

LIFE, STORE AT <90F. DON'T TAKE INTERNALLY.

Other Precautions:AVOID INHALATION OF VAPOR/SKIN/EYE CONTACT. KEEP OUT OF REACH OF CHILDREN. DON'T RESUSE EMPTY CONTAINER. RESIDUAL VAPORS

IN CONTAINER MAY BE EXPLOSIVE IF IGNITED, & ARE HAZARDOUS. DON'T USE CUTTING/WELDING TORCH ON EMPTY CONTAINER.

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Exposure Controls/Personal Protection  
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Respiratory Protection:ORGANIC VAPOR CARTRIDGES OR SELF-CONTAINED BREATHING APPARATUS MAY BE USED IN CONFINED AREAS.

Ventilation:LOCAL EXHAUST/MECHANICAL (GENERAL): TO PREVENT ACCUMULATION OF FUMES

Protective Gloves:OIL RESISTANT (BUNA-N, PLASTIC, RUBBER)

Eye Protection:GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING & SHOES

Work Hygienic Practices:REMOVE/WASH CONTAMINATED CLOTHING BEFORE REUSE.

WASH HANDS THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. 10 LBS/GAL.

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Physical/Chemical Properties  
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Boiling Pt:B.P. Text:280F

Vapor Pres:3-6

Vapor Density:>AIR

Spec Gravity:1.200

Evaporation Rate & Reference:SLOWER THAN ETHER

Percent Volatiles by Volume:14%

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, WATER, ALCOHOL, STRONG ACIDS, STRONG BASES.

Stability Condition to Avoid:HEAT, OPEN FLAME, PHYSICAL DAMAGE,

SPARKS,

STATIC ELECTRICITY, TEMPS 392F.

Hazardous Decomposition Products:NITROGEN OXIDES, HYDROGEN CYANIDE,  
CO,  
CO2

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===== Disposal Considerations =====

Waste Disposal Methods:LANDFILL IN ACCORDANCE W/LOCAL, STATE, &  
FEDERAL  
REGULATIONS. COMBUSTIBLE LIQUID, UN 1993.

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