

REPUBLIC POWDERED METALS INC -- GACO N-450-11 NEOPRENE THINNER & CLEANER --  
6850-00-182-6467

===== Product Identification =====

Product ID:GACO N-450-11 NEOPRENE THINNER & CLEANER

MSDS Date:07/27/1995

FSC:6850

NIIN:00-182-6467

Status Code:A

MSDS Number: CKYLM

=== Responsible Party ===

Company Name:REPUBLIC POWDERED METALS INC

Address:2628 PEARL ROAD

Box:724

City:MEDINA

State:OH

ZIP:44256

Country:

US

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

Emergency Phone Num:800-424-9300

Chemtrec Ind/Phone:(800)424-9300

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

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

Contract Num:SP0450-01-M-D711

CAGE:0PGK2

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=== Composition/Information on Ingredients =====

Ingred Name:TOLUENE

CAS:108-88-3

RTECS #:XS5250000

= Wt:80.

OSHA PEL:SEE TABLE Z-2

ACGIH TLV:188 MG/M3;50 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ISOBUTYL KETONE

CAS:108-10-1

RTECS #:SA9275000

= Wt:20.

OSHA PEL:410 MG/M3;100 PPM

ACGIH TLV:205 MG/M3;50 PPM

ACGIH STEL:307 MG/M3;75 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

===== Hazards Identification =====

Routes of Entry:

Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: NAUSEA AND/OR NARCOSIS.

CHRONIC: NO INFORMATION AVAILABLE AT PRESENT TIME. TARGET ORGANS:

TOLUENE, BASED ON ANIMAL DATA, MAY CAUSE LIVER ABNORMALITIES,

KIDNEY, LUNG AND SPLEEN DAMAGE . IN HUMAN S LIVER ABNORMALITIES,

MIBK-MAY CAUSE LIVER ABNORMALITIES, LUNG OR BRAIN DAMAGE, BASED ON ANIMAL DATA.

Explanation of Carcinogenicity:NO

Effects of Overexposure:

IRRITATION TO EYES AND MUCOUS MEMBRANES.

DRYNESS AND CRACKING OF SKIN. LIQUID INGESTION MAY CAUSE VOMITING.

Medical Conditions Aggravated by Exposure:RESPIRATORY AILMENTS.

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

First Aid:UTILIZE THE SUGGESTED METHODS LISTED BELOW. IN EMERGENCY

SITUATIONS NOTIFY A PHYSICIAN. SKIN: WASH WITH SOAP AND WATER.

REFER TO PHYSICIAN IF IRRITATION PERSISTS. EYES: FLUSH EYES

ABUNDANTLY WITH CLEAN WATER AND REFER TO A PHYSICIAN

CIAN. INGESTION:

DO NOT INDUCE VOMITING. REFER TO A PHYSICIAN. EXCESSIVE INHALATION:  
REMOVE PATIENT TO FRESH AIR OR GIVE OXYGEN. USE CPR IF PATIENT IS  
NOT BREATHING. REFER TO PHYSICIAN.

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

Flash Point Method:TCC

Flash Point:=4.4C, 40.F

Autoignition Temp:=457.8C, 856.F

Lower Limits:1.0

Upper Limits:7.5

Extinguishing Media:USE CO2, FOAM, DRY CHEMICAL FOR FIRE.

Fire Fighting Procedures:NIOSH/MSHA APPROVED SELF-CONTAINED

BREATHING

APPARATUS SHOULD BE WORN. USE WATER SPRAY TO COOL FIRE-EXPOSED  
STRUCTURES AND DISPERSE VAPOR-CLOUD IF FIRE IS NOT PRESENT.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND MAY TRAVEL  
CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASHBACK.

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

Spill Release Procedures:ABSORB SPILL IN SAND, EARTH, VERMICULITE,  
OIL-DRI, OR SOL-SPEED-DRI. SHOVEL ABSORBED MATERIAL INTO STEEL  
CONTAINER AND  
COVER.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP CONTAINERS TIGHTLY CLOSED AND  
STORE IN APPROVED SOLVENT STORAGE AREA. KEEP AWAY FROM OPEN FLAME,  
HEAT, SPARKS, HOT SURFACES AND OXIDIZING AGENTS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH-APPROVED ATMOSPHERE SUPPLYING OR  
AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AS REQUIRED TO MAINTAIN  
EXPOSURE LEVELS BE  
LOW RECOMMENDED LIMITS.

Ventilation:LOCAL:REMOVE VAPORS DURING PROCESSING.

MECHANICAL:EXPLOSION-PROOF EQUIPMENT. SPECIAL: REDUCE VAPOR  
CONCENTRATIONS BELOW SPECIFIED LIMITS.

Protective Gloves:PVA GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO PREVENT  
SKIN CONTACT.

Work Hygienic Practices:KEEP AREA CLEAN. CLEAN UP SPILLS IMMEDIATELY.  
PRACTICE GOOD PERSONAL HYGIENE.

Supplemental Safety and Health

===== Physical/Chem

ical Properties =====

HCC:F2

Boiling Pt:=110.6C, 231.F

Vapor Pres:21 @20C

Vapor Density:3.25

Spec Gravity:0.856

VOC Grams/Liter:7.13

Appearance and Odor:CLEAR LIQUID; CHARACTERISTIC SOLVENT ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:AVOID HEAT, OPEN FLAMES, SPARKS, HOT SURFACES, AND OXIDIZING AGENTS.

Hazardous Decomposition Products:OXIDES OF CARBON.

===== Di  
sposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CHEMICAL AND SOLVENT WATER DISPOSAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:DOT NAME & NO.: FLAMMABLE LIQUID, NOS (CONTAINS TOLUENE, METHYL ISOBUTYL KETONE), UN1993

===== Regulatory Information =====

State Regulatory Information:THIS PRODUCT CONTAINS TOLUENE, A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE REPRODUCTIVE TOXICITY.

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