

SHERWIN WILLIAMS CO. -- B44V20 HEAVY DUTY POLYURETHANE VARNISH -- 8010-00-604-2014  
===== Product Identification =====

Product ID:B44V20 HEAVY DUTY POLYURETHANE VARNISH

MSDS Date:01/01/1991

FSC:8010

NIIN:00-604-2014

Status Code:A

MSDS Number: CKDGD

=== Responsible Party ===

Company Name:SHERWIN WILLIAMS CO.

Address:101 PROSPECT AVE N.W.

City:CLEVELAND

State:OH

ZIP:44115

Country:US

Info Phone Num:216

-566-2902

Emergency Phone Num:(216) 566-2917

CAGE:88573

=== Contractor Identification ===

Company Name:THE SHERWIN WILLIAMS CO. DIVERSIFIED BRANDS

Address:101 PROSPECT AVE N.W.

Box:City:CLEVELAND

State:OH

ZIP:44115

Country:US

Phone:(800)-832-2541/ EMER: 216-566-2917

CAGE:88573

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

Ingred Name:ETHYLBENZENE

CAS:100-41-4

RTECS #:DA0700000

= Wt:9.

OSHA PEL:435 MG/M3;100 PPM

ACGIH TLV:434 MG/M3;100 PPM

ACGIH STEL:543 MG/M3;125 PPM

EPA

Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENE  
CAS:1330-20-7  
RTECS #:ZE2100000  
= Wt:51.  
ACGIH TLV:434 MG/M3;100 PPM  
ACGIH STEL:651 MG/M3;150 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE 2,4-DIISOCYANATE  
CAS:584-84-9  
RTECS #:CZ6300000  
= Wt:.8  
OSHA PEL:C0.14 MG/M3;C.02 PPM  
ACGIH TLV:0.036 MG/M3;.005 PPM  
ACGIH STEL:0.14 MG/M3;0.02 PPM  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:TOLUENE DIISOCYANATE POLYMER  
= Wt:40.

=====  
Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: IRRITATION OF EYES, SKIN &  
RESPIRATORY SYSTEM. MAY CAUSE NERVOUS SYSTEM DEPRESSION. MAY RESULT  
IN DEATH.

Explanation of Carcinogenicity:TOLUENE DIISOCYANATE IS A SUSPECTED  
HUMAN CARCINOGEN.

Effects of Overexposure:IRRITATION, UNCONSCIOUSNESS, HEADACHE,  
DIZZINESS, NAUSEA, LOSS OF COORDINATION, REDNESS,  
ITCHING, BURNING SENSATION.

Medical Cond Aggravated by Exposure:SENSITIVITY TO ISOCYANATES,  
LUNG/BREATHING PROBLEMS

=====  
First Aid Measures  
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First Aid:INHALATION: LEAVE THE AREA & GET FRESH AIR. SKIN: WASH  
THOROUGHLY W/SOAP & WATER. EYES: FLUSH W/LARGE AMOUNTS OF WATER FOR  
15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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Fire Fighting Measures  
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Flash Point:~23.3C, 74.F  
Lower Limits:1

Upper Limits:7

Extinguishing Media:CO2, DRY CHEMICAL, FOAM

Fire Fighting Procedures:USE FULL PROTECTIVE EQUIP/SCBA. WATER SPRAY:  
INEFFECTIVE. FOG NOZZLES: PREFERABLE. USE WATER TO COOL FIRE  
EXPOSED CONTAINERS TO PREVENT PRESSURE BUILDUP.

Unusual Fire/Explosion Hazard:KEEP CLOSED CONTAINERS TIGHTLY CLOSED.  
ISOLATE FROM IGNITION SOURCES. CLOSED CONTAINERS MAY EXPLODE WHEN  
EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES  
SPECIAL PRECAUTIONS.

===== Ac  
cidental Release Measures =====

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. VENTILATE  
AREA. ALL PERSONNEL IN THE AREA SHOULD BE PROTECTED. COVER RELEASE  
W/ABSORBENT MATERIAL. DEACTIVATE MATERIAL W/A 10% AMMONIUM  
HYDROXIDE SOLUTION (HOUSEHOLD AM MONIA) COVER LOOSELY. WASH AREA  
W/SOAP & WATER.

Neutralizing Agent:10% AMMONIUM HYDROXIDE SOLUTION

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

Handling and Storage Precautions:KEEP AWAY  
FROM IGNITION SOURCES.

DURING USE & UNTIL ALL VAPORS ARE GONE; KEEP AREA VENTILATED, DON'T  
SMOKE. USE APPROVED BONDING & GROUNDING PROCEDURES. KEEP CONTAINERS  
CLOSED WHEN NOT IN USE. TRANSFER ONLY TO APPROVED CONTAINERS  
W/COMPLETE & APPROPRIATE LABELING. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:AVOID CONTACT W/SKIN/EYES/BREATHING VAPOR/SPRAY MIST.  
TRANSFER ONLY TO APPROVED CONTAINERS. DON'T TAKE INTERNALLY.  
EXTINGUISH FLAMES/PILOT LIGHTS/HEATERS. TURN OFF STOVES  
/ELEC  
TOOLS/APPLIANCES. CONTENTS ARE FLAMMABLE.

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

Respiratory Protection:USE NIOSH/MSHA TC19C POSITIVE PRESSURE AIR  
SUPPLIED RESPIRATOR, WHERE OVERSPRAY IS PRESENT. IF UNAVAILABLE,  
USE NIOSH/MSHA PROPERLY FITTED ORGANIC VAPOR/PARTICULATE  
RESPIRATOR. USE NIOSH/MSHA RESPIRATOR, WHEN SANDING/ABRADING THE  
DRIED FILM.

Ventilation:LOCAL EXHAUST: PREFERABLE. MECHANICAL: ACCEPTABLE IF THE  
EXPOSURE TO MATERIALS

IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS.

Protective Gloves:RECOMMENDED

Eye Protection:SAFETY GLASSES W/UNPERFORATED SIDESHIELD

Other Protective Equipment:BARRIER CREAM

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS AFTER USING.

Supplemental Safety and Health

BOILING RANGE: 277-292F. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING & INHALING THE CONTENTS CAN BE HARMFUL/ FATAL. NO PERSON SHOULD USE THIS PRODUCT/ BE IN THE AREA WHERE IT IS BEING USED, IF TH EY HAVE CHRONIC (LONG TERM) LUNG/ BREATHING PROBLEMS/ IF THEY EVER HAD A REACTION TO ISOCYANATES.

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:277-292F

Vapor Density:>1

Spec Gravity:0.96

VOC Grams/Liter:4.8

Evaporation Rate & Reference:SLOWER THAN ETHER

Percent Volatiles by Volume:66

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

Stability Indicator/Materials to Avoid:YES

WATER/ALCOHOLS/AMINES

/OTHER COMPOUNDS WHICH REACT W/ISOCYANATES

Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAME, HOT SURFACES/ OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:BY FIRE: CO<sub>2</sub>, CO, OXIDES OF NITROGEN, HYDROGEN CYANIDE

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

Waste Disposal Methods:INCINERATE IN APPROVED FACILITY. DON'T INCINERATE CLOSED CONTAINER. DISPOSE OF IN ACCORDANCE W/FED/STATE/LOCAL REGS REGARDING POLLUTION. WASTE MAY BE HAZARDOUS U

UNDER RCRA & MUST BE TESTED FOR IGNITABILITY TO DETERMINE EPA  
HAZARDOUS WASTE NUMBERS.

===== Other Information =====

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