

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 =====

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 =====

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.

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

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: CO2, 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 =====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.