

SECTION 1

PRODUCT IDENTIFIER 4508-9999H TRUGLAZE CONV 1G
 DATE OF PREPARATION NOVEMBER 30, 2012
 PRODUCT USE PROTECTIVE COATING
 MANUFACTURED BY: AKZO NOBEL PAINTS LLC, 15885 WEST SPRAGUE ROAD
 STRONGSVILLE, OHIO 44136, U.S.A
 AKZO NOBEL CANADA INC., 8200 KEELE STREET,
 CONCORD, ONTARIO L4K 2A5, CANADA.
 EMERGENCY AND MSDS TELEPHONE NUMBER:
 1-800-545-2643
 MSDS PREPARED BY: PRODUCT SAFETY AND COMPLIANCE DEPARTMENT
 AKZO NOBEL PAINTS LLC

APPROVED MATERIAL
 MAY 10 2013
 MSDS # 11220
 APPROVED BY *[Signature]*

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	WT. %:
CHEMICAL NAME BENZENE, ETHYL-	1-5
COMMON NAME : ETHYLBENZENE	
CAS NUMBER: 100-41-4	
CHEMICAL NAME 2-PENTANONE, 4-METHYL-	10-20
COMMON NAME : METHYL ISOBUTYL KETONE	
CAS NUMBER: 108-10-1	
CHEMICAL NAME BENZENE, DIMETHYL-	10-20
COMMON NAME : XYLENE	
CAS NUMBER: 1330-20-7	
CHEMICAL NAME PHENOL, 4,4'-(1-METHYLETHYLIDENE) BIS-, POLYMER WITH (CHLOROMETHYL) OXIRANE	1-5
COMMON NAME : EPOXY RESIN	
CAS NUMBER: 25068-38-6	
CHEMICAL NAME OXIRANE, 2,2'-((1-METHYLETHYLIDENE) BIS(4,1-PHENYLENEOXYMETHYLENE)) BIS, HOMOPOLYMER	60-70
COMMON NAME : EPOXY RESIN	
CAS NUMBER: 25085-99-8	
CHEMICAL NAME OXIRANE, MONO((C12-C14-ALKOXY) METHYL) DERIVATIVES	1-5
COMMON NAME : C12-C14 ALKYL GLYCIDYL ETHER	
CAS NUMBER: 68609-97-2	

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF EXPOSURE
 INHALATION, SKIN CONTACT, EYE CONTACT, INGESTION.

EFFECTS OF OVEREXPOSURE

INHALATION
 PROLONGED INHALATION MAY LEAD TO FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, DIARRHEA, BLURRED VISION, COUGHING, DIFFICULTY WITH SPEECH, CENTRAL NERVOUS SYSTEM DEPRESSION, INTOXICATION, TIGHTNESS OF CHEST, ANESTHETIC EFFECT OR NARCOSIS, DIFFICULTY OF BREATHING, ALLERGIC RESPONSE, TREMORS, LIVER DAMAGE, KIDNEY DAMAGE, LOSS OF CONSCIOUSNESS, RESPIRATORY FAILURE, ASPHYXIATION, DEATH. POSSIBLE SENSITIZATION TO RESPIRATORY TRACT.

SKIN CONTACT
 IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, DEFATTING, BLISTERING, ALLERGIC RESPONSE. POSSIBLE SENSITIZATION TO SKIN. SKIN CONTACT MAY RESULT IN DERMAL ABSORPTION OF COMPONENT(S) OF THIS PRODUCT WHICH MAY CAUSE DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, NAUSEA, VOMITING, CENTRAL NERVOUS SYSTEM DEPRESSION.

EYE CONTACT
 IRRITATION OF EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE CONJUNCTIVITIS, BLURRED VISION, TEARING OF EYES, REDNESS OF EYES, SEVERE EYE IRRITATION, CORNEAL INJURY.

INGESTION
 INGESTION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, MOUTH AND THROAT IRRITATION, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL

DISTURBANCES, CENTRAL NERVOUS SYSTEM DEPRESSION, INTOXICATION, DIFFICULTY OF BREATHING, LIVER DAMAGE, KIDNEY DAMAGE, PULMONARY EDEMA.
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
 EYE, SKIN, RESPIRATORY DISORDERS, KIDNEY DISORDERS, LIVER DISORDERS.

SECTION 4: FIRST-AID MEASURES

INHALATION REMOVE TO FRESH AIR. RESTORE AND SUPPORT CONTINUED BREATHING.
 GET EMERGENCY MEDICAL ATTENTION.
 HAVE TRAINED PERSON GIVE OXYGEN IF NECESSARY. GET MEDICAL HELP FOR ANY BREATHING DIFFICULTY.

SKIN CONTACT WASH THOROUGHLY WITH SOAP AND WATER. IF ANY PRODUCT REMAINS, GENTLY RUB PETROLEUM JELLY, VEGETABLE OR MINERAL/BABY OIL ONTO SKIN. REPEATED APPLICATIONS MAY BE NEEDED. REMOVE CONTAMINATED CLOTHING.
 WASH CONTAMINATED CLOTHING BEFORE RE-USE.
 DISPOSE OF CONTAMINATED LEATHER ITEMS, SUCH AS SHOES AND BELTS.

EYE CONTACT FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT.

INGESTION IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT (SETA) 70 F./ 21 C. LOWER EXPLOSIVE LIMIT 1.0 (%)
 UPPER EXPLOSIVE LIMIT 12.3 (%)

FIRE EXTINGUISHING MEDIA

DRY CHEMICAL OR FOAM
 WATER FOG.
 CARBON DIOXIDE.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR FIRE.
 VAPORS MAY IGNITE EXPLOSIVELY AT AMBIENT TEMPERATURES.
 VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCES TO A SOURCE OF IGNITION AND FLASH BACK.
 VAPORS CAN FORM EXPLOSIVE MIXTURES IN AIR AT ELEVATED TEMPERATURES.
 MAY DECOMPOSE UNDER FIRE CONDITIONS EMITTING IRRITANT AND/OR TOXIC GASES.

FIRE FIGHTING PROCEDURES

WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS.
 FIREFIGHTERS SHOULD USE FULL PROTECTIVE CLOTHING, EYE PROTECTION, AND SELF-CONTAINED BREATHING APPARATUS.

HAZARDOUS DECOMPOSITION OR COMBUSTION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE, ACRID FUMES, ALDEHYDES, ACIDS.
 PHENOLICS.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS.
 ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA.
 VENTILATE AREA WITH EXPLOSION-PROOF EQUIPMENT. SPILLS MAY BE COLLECTED WITH ABSORBENT MATERIALS. USE NON-SPARKING TOOLS. EVACUATE ALL UNNECESSARY PERSONNEL. COMPLETE PERSONAL PROTECTIVE EQUIPMENT MUST BE USED DURING CLEANUP.
 LARGE SPILLS - SHUT OFF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN SPILL. PUMP TO STORAGE OR SALVAGE VESSELS. USE ABSORBENT TO PICK UP EXCESS RESIDUE. KEEP SALVAGEABLE

MATERIAL AND RINSE WATER OUT OF SEWERS AND WATER COURSES.
SMALL SPILLS - USE ABSORBENT TO PICK UP RESIDUE AND DISPOSE
OF PROPERLY.

SECTION 7 HANDLING AND STORAGE

HANDLING AND STORAGE

STORE BELOW 80F. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.
OTHER PRECAUTIONS USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.
KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND
EYES, AND BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER
HANDLING, ESPECIALLY BEFORE EATING OR SMOKING.
KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE.
EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES.
GROUND EQUIPMENT WHEN TRANSFERRING TO PREVENT ACCUMULATION
OF STATIC CHARGE.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

COMMON NAME : ETHYLBENZENE

CAS NUMBER: 100-41-4

ACGIH(TWA): 20 PPM OSHA(TWA): 100 PPM

ACGIH(STEL): 125 PPM

COMMON NAME : METHYL ISOBUTYL KETONE

CAS NUMBER: 108-10-1

ACGIH(TWA): 20 PPM OSHA(TWA): 100 PPM

ACGIH(STEL): 75 PPM

COMMON NAME : XYLENE

CAS NUMBER: 1330-20-7

ACGIH(TWA): 100 PPM OSHA(TWA): 100 PPM

ACGIH(STEL): 150 PPM

RESPIRATORY PROTECTION

CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE
EXPOSURE STANDARDS WHEN USING THIS MATERIAL. WHEN
RESPIRATORY PROTECTION IS DETERMINED TO BE NECESSARY, USE A
NIOSH/MSHA (CANADIAN Z94.4) APPROVED ELASTOMERIC SEALING-
SURFACE FACEPIECE RESPIRATOR OUTFITTED WITH ORGANIC VAPOR
CARTRIDGES AND PAINT SPRAY (DUST/MIST) PREFILTERS.
DETERMINE THE PROPER LEVEL OF PROTECTION BY CONDUCTING
APPROPRIATE AIR MONITORING. CONSULT 29CFR1910.134 FOR
SELECTION OF RESPIRATORS (CANADIAN Z94.4).

VENTILATION

PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT
BUILD-UP OF VAPORS.

USE EXPLOSION-PROOF EQUIPMENT. USE NON-SPARKING EQUIPMENT.

PERSONAL PROTECTIVE EQUIPMENT

EYE WASH, SAFETY SHOWER, SAFETY GLASSES OR GOGGLES.

IMPERVIOUS GLOVES, IMPERVIOUS CLOTHING, APRON, BOOTS.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE:	NOT AVAILABLE	SPECIFIC GRAVITY:	1.050
BOILING RANGE (F/C):	278-290/137-143	WEIGHT PER GALLON:	8.74/ 10.50IMP
%VOLATILE BY VOLUME:	33.61		
PHYSICAL STATE:	LIQUID	APPEARANCE	CLEAR
SOLUBILITY IN WATER:	NOT AVAILABLE	PH:	NOT AVAILABLE

SECTION 10: STABILITY AND REACTIVITY

UNDER NORMAL CONDITIONS

STABLE

SEE SECTION 5 FIRE FIGHTING MEASURES

MATERIALS TO AVOID

OXIDIZERS, ACIDS, REDUCING AGENTS, BASES, ALDEHYDES, AMINES,
NITRIC ACID, COMBUSTIBLE MATERIALS.

CONDITIONS TO AVOID

ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT, SPARKS,
OPEN FLAME, IGNITION SOURCES.

HAZARDOUS POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

MAY POLYMERIZE IN PRESENCE OF ALIPHATIC AMINES.

SECTION 11: TOXICOLOGICAL INFORMATION

COMMON NAME : ETHYLBENZENE

CAS NUMBER: 100-41-4

CARCINOGENICITY LISTED BY: NTP NO IARC YES 2B OSHA NO ACGIH YES A3

LD50: 3500.00 MG/KG ORL RAT

LD50: 15.35 GM/KG SKN RBT

LC50: 17.20 MG/L/4 HR IHL RAT

COMMON NAME : METHYL ISOBUTYL KETONE

CAS NUMBER: 108-10-1

CARCINOGENICITY LISTED BY: NTP NO IARC YES 2B OSHA NO ACGIH YES A3

LD50:> 20.00 GM/KG SKN RBT

LD50: 2080.00 MG/KG ORL RAT

COMMON NAME : XYLENE

CAS NUMBER: 1330-20-7

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

LD50:>1700.00 MG/KG SKN RBT

LD50: 4300.00 MG/KG ORL RAT

LC50: 5000.00 PPM/4HR IHL RAT

COMMON NAME : EPOXY RESIN

CAS NUMBER: 25068-38-6

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

LD50:> 20.00 ML/KG SKN RBT

LD50: 2000.00 MG/KG ORL RAT

COMMON NAME : EPOXY RESIN

CAS NUMBER: 25085-99-8

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

LD50: 6000.00 MG/KG SKN RBT

LD50:>2400.00 MG/KG ORL RAT

COMMON NAME : C12-C14 ALKYL GLYCIDYL ETHER

CAS NUMBER: 68609-97-2

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

SUPPLEMENTAL HEALTH INFORMATION

CONTAINS A CHEMICAL THAT IS MODERATELY TOXIC BY INGESTION.

CONTAINS A CHEMICAL THAT MAY BE ABSORBED THROUGH SKIN.

NOTICE - REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED

OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN

AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY

DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS

MAY BE HARMFUL OR FATAL.

OTHER EFFECTS OF OVEREXPOSURE MAY INCLUDE TOXICITY TO LIVER,

KIDNEY, CENTRAL NERVOUS SYSTEM, BLOOD.

CARCINOGENICITY

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS

EVALUATED ETHYLBENZENE AND CLASSIFIED IT AS A POSSIBLE HUMAN

CARCINOGEN (GROUP 2B) BASED ON SUFFICIENT EVIDENCE FOR

CARCINOGENICITY IN EXPERIMENTAL ANIMALS, BUT INADEQUATE

EVIDENCE FOR CANCER IN EXPOSED HUMANS.

IN A 2 YEAR INHALATION STUDY CONDUCTED BY THE NATIONAL

TOXICOLOGY PROGRAM (NTP), ETHYLBENZENE VAPOR AT 750 PPM

PRODUCED KIDNEY AND TESTICULAR TUMORS IN RATS AND LUNG

AND LIVER TUMORS IN MICE. GENETIC TOXICITY STUDIES

SHOWED NO GENOTOXIC EFFECTS. THE RELEVANCE OF THESE

RESULTS TO HUMANS IS NOT KNOWN.

REPRODUCTIVE EFFECTS

HIGH EXPOSURES TO XYLENE IN SOME ANIMAL STUDIES, OFTEN AT

MATERNALLY TOXIC LEVELS, HAVE AFFECTED EMBRYO/FETAL

DEVELOPMENT. THE SIGNIFICANCE OF THIS FINDING TO HUMANS IS

NOT KNOWN.

MUTAGENICITY

NO MUTAGENIC EFFECTS ARE ANTICIPATED

TERATOGENICITY NO TERATOGENIC EFFECTS ARE ANTICIPATED

SECTION 12: ECOLOGICAL INFORMATION

NO ECOLOGICAL TESTING HAS BEEN DONE BY AKZO NOBEL PAINTS LLC ON THIS PRODUCT AS A WHOLE.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. AVOID DISCHARGE TO NATURAL WATERS.

SECTION 14: TRANSPORT INFORMATION

DOT UN1263, PAINT, 3, PGII
 IMDG UN1263, PAINT, 3, PGII, LIMITED QUANTITY
 IATA NOT AVAILABLE
 TDG NOT AVAILABLE

SECTION 15: REGULATORY INFORMATION

		SARA	SARA	CERCLA	HAZ AIR	MARINE
		302	313	302.4	POLLUTANT	POLTNT
CAS NUMBER:	100-41-4	NO	YES	YES	YES	NO
COMMON NAME :	ETHYLBENZENE					
CAS NUMBER:	108-10-1	NO	YES	YES	YES	NO
COMMON NAME :	METHYL ISOBUTYL KETONE					
CAS NUMBER:	1330-20-7	NO	YES	YES	YES	NO
COMMON NAME :	XYLENE					

AS OF THE DATE OF THIS MSDS, ALL OF THE COMPONENTS IN THIS PRODUCT ARE LISTED (OR ARE OTHERWISE EXEMPT FROM LISTING) ON THE TSCA INVENTORY.

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR (CONTROLLED PRODUCTS REGULATIONS) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

SECTION 16: OTHER INFORMATION

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE AT THE TIME OF PREPARATION OF THIS DATA SHEET AND WHICH AKZO NOBEL PAINTS LLC BELIEVES TO BE RELIABLE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA. AKZO NOBEL PAINTS LLC SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS INFORMATION, OR OF ANY PRODUCT, METHOD OR APPARATUS MENTIONED AND YOU MUST MAKE YOUR OWN DETERMINATION OF ITS SUITABILITY AND COMPLETENESS FOR YOUR OWN USE, FOR THE PROTECTION OF THE ENVIRONMENT, AND THE HEALTH AND SAFETY OF YOUR EMPLOYEES AND USERS OF THIS MATERIAL.

COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29CFR1910.1200.