

Search Again

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT IDENTIFIER: **ZY9020 SPRAY BRITE GLOSS BLACK**
 REVISION DATE: JANUARY 17, 2000
 PRODUCT USE: PROTECTIVE COATING
 DATE OF PREPARATION: JANUARY 8, 1999

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MSDS PREPARED BY: PRODUCT SAFETY AND TOXICOLOGY DEPARTMENT
 ICI PAINTS NORTH AMERICA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

	INGREDIENT	WT. %
CHEMICAL NAME:	VINYL TOLUENE ALKYD COPOLYMER	1-5
COMMON NAME:	ALKYD RESIN	
CAS NUMBER:	CONFIDENTIAL	
CHEMICAL NAME:	BENZENE, METHYL-	10-20
COMMON NAME:	TOLUENE	
CAS NUMBER:	108-88-3	
CHEMICAL NAME:	CARBON BLACK	.1-1.0
COMMON NAME:	CARBON BLACK	
CAS NUMBER:	1333-86-4	
CHEMICAL NAME:	SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC	1-5
COMMON NAME:	MEDIUM ALIPHATIC SOLVENT NAPHTHA	
CAS NUMBER:	64742-88-7	
CHEMICAL NAME:	SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	5-10
COMMON NAME:	LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)	
CAS NUMBER:	64742-89-8	

CHEMICAL NAME:	HEAVY AROMATIC SOLVENT NAPHTHA	1-5
COMMON NAME:	HEAVY AROMATIC SOLVENT NAPHTHA	
CAS NUMBER:	64742-94-5	
CHEMICAL NAME:	2-PROPANONE	20-30
COMMON NAME:	ACETONE	
CAS NUMBER:	67-64-1	
CHEMICAL NAME:	DISTILLATES (PETROLEUM), STEAM-CRACKED, POLYMERIZED	1-5
COMMON NAME:	PETROLEUM RESINS	
CAS NUMBER:	68131-77-1	
CHEMICAL NAME:	PETROLEUM GASES, LIQUEFIED, SWEETENED	30-40
COMMON NAME:	LIQUEFIED PETROLEUM GASES, SWEETENED	
CAS NUMBER:	68476-86-9	
CHEMICAL NAME:	BENZENE	.01-1
COMMON NAME:	BENZENE	
CAS NUMBER:	71-43-2	

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF EXPOSURE

INHALATION, SKIN CONTACT, EYE CONTACT, INGESTION.

EFFECTS OF OVEREXPOSURE

INHALATION

PROLONGED INHALATION MAY LEAD TO MUCOUS MEMBRANE IRRITATION, FATIGUE, DROWSINESS, DIZZINESS AND/R LIGHTEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, ABDOMINAL PAIN, CHEST PAIN, COUGHING, DIFFICULTY WITH SPEECH, CENTRAL NERVOUS SYSTEM DEPRESSION, METALLIC TASTE, CONFUSION, ANESTHETIC EFFECT OR NARCOSIS, DIFFICULTY OF BREATHING, BLOOD ABNORMALITIES, TREMORS, LIVER DAMAGE, KIDNEY DAMAGE, PULMONARY EDEMA. NEUROTOXICITY CONVULSIONS, LOSS OF CONSCIOUSNESS, ASPHYXIATION, DEATH.

SKIN CONTACT

IRRITATION OF SKIN, PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, DEFATTING, BLISTERING. SKIN CONTACT MAY RESULT IN DERMAL ABSORPTION OF COMOPONENTS(S) OF THIS PRODUCT WHICH MAY CAUSE 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, BLINDNESS.

INGESTION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, MOUTH AND THROAT

INGESTION IRRITATION, MUCOUS MEMBRANE IRRITATION, FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL DISTURBANCES, CENTRAL NERVOUS SYSTEM DEPRESSION, PULMONARY EDEMA, LOSS OF CONSCIOUSNESS.

MEDICAL CONDITIONS EYE, SKIN, RESPIRATORY DISORDERS.

SECTION 4: FIRST-AID MEASURES

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

SKIN CONTACT FLUSH FROM SKIN WITH WATER. THEN WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE RE-USE.

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)	1 F./ -17 C.	LOWER EXPLOSIVE LIMIT	1.8	(%)
		UPPER EXPLOSIVE LIMIT	9.5	(%)

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. CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR FIRE. 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, TOXIC GASES.

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. STORE IN ORIGINAL CONTAINERS. ISOLATED STORAGE IS DESIRABLE. 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:	TOLUENE		
CAS NUMBER:	108-88-3		
ACGIH (TWA):	SKIN 50 PPM	OSHA (TWA):	100 PPM
ACGIH (STEL):	NOT AVAILABLE	OSHA (STEL):	150 PPM
OSHA (SKIN):	CEILING: 300 PPM	SUPP REC STD.:	NOT AVAILABLE

COMMON NAME:	CARBON BLACK		
CAS NUMBER:	1333-86-4		
ACGIH (TWA):	3.5 MG/M3	OSHA (TWA):	

COMMON NAME:	LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)		
CAS NUMBER:	64742-89-8		
		OSHA (TWA):	.300 PPM

COMMON NAME: ACETONE

SECTION 11: TOXICOLOGICAL INFORMATION

COMMON NAME:	ALKYD RESIN			
CAS NUMBER:	CONFIDENTIAL			
CARCINOGENICITY LISTED BY:	NTP NO	IARC NO	OSHA NO	ACGIH NO

COMMON NAME:	TOLUENE			
CAS NUMBER:	108-88-3			
CARCINOGENICITY LISTED BY:	NTP NO	IARC NO	OSHA NO	ACGIH NO
LD50:				