

**SECTION 1**

PRODUCT IDENTIFIER SIK55120 SIKKENS RUBBOL SOLID DEK-120 MEDIUM BASE  
 DATE OF PREPARATION JANUARY 23, 2009  
 PRODUCT USE PROTECTIVE COATING  
 MANUFACTURED BY: AKZO NOBEL PAINTS LLC, 15885 WEST SPRAGUE ROAD,  
 STRONGSVILLE, OHIO 44136, U.S.A  
 ICI PAINTS (CANADA), 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

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

	INGREDIENT	WT. %:
CHEMICAL NAME	ACRYLIC RESIN	20-30
COMMON NAME :	ACRYLIC RESIN	
CAS NUMBER:	CONFIDENTIAL	
CHEMICAL NAME	TITANIUM OXIDE	5-10
COMMON NAME :	TITANIUM DIOXIDE	
CAS NUMBER:	13463-67-7	
CHEMICAL NAME	NEPHELINE SYENITE	5-10
COMMON NAME :	FELDSPAR-TYPE MINERALS	
CAS NUMBER:	37244-96-5	
CHEMICAL NAME	1,2-PROPANEDIOL	1-5
COMMON NAME :	PROPYLENE GLYCOL	
CAS NUMBER:	57-55-6	
CHEMICAL NAME	WATER	50-60
COMMON NAME :	WATER	
CAS NUMBER:	7732-18-5	

**SECTION 3: HAZARDS IDENTIFICATION**

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

EFFECTS OF OVEREXPOSURE

INHALATION PROLONGED INHALATION MAY LEAD TO HEADACHE, NAUSEA, COUGHING, DIFFICULTY OF BREATHING, SEVERE LUNG IRRITATION OR DAMAGE.

SKIN CONTACT IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS. POSSIBLE SENSITIZATION TO SKIN. SKIN CONTACT MAY RESULT IN DERMAL ABSORPTION OF COMPONENT(S) OF THIS PRODUCT WHICH MAY CAUSE HEADACHE, NAUSEA, CENTRAL NERVOUS SYSTEM DEPRESSION.

EYE CONTACT IRRITATION OF EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE TEARING OF EYES.

INGESTION INGESTION MAY CAUSE MOUTH AND THROAT IRRITATION, VOMITING, GASTRO-INTESTINAL DISTURBANCES, CENTRAL NERVOUS SYSTEM DEPRESSION, KIDNEY DAMAGE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE  
 EYE, SKIN, RESPIRATORY DISORDERS, ASTHMA-LIKE CONDITIONS.

**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.  
 REMOVE TO FRESH AIR IF INHALATION CAUSES EYE WATERING, HEADACHES, DIZZINESS, OR OTHER DISCOMFORT.

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.
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)	NONE	LOWER EXPLOSIVE LIMIT	NOT AVAILABLE
		UPPER EXPLOSIVE LIMIT	12.6 (%)
FIRE EXTINGUISHING MEDIA	<p>DRY CHEMICAL OR FOAM WATER FOG. CARBON DIOXIDE.</p>		
UNUSUAL FIRE AND EXPLOSION HAZARDS	<p>CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR FIRE. 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. CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR FIRE.</p>		
FIRE FIGHTING PROCEDURES	<p>WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS. FIREFIGHTERS SHOULD USE FULL PROTECTIVE CLOTHING, EYE PROTECTION, AND SELF-CONTAINED BREATHING APPARATUS.</p>		
HAZARDOUS DECOMPOSITION OR COMBUSTION PRODUCTS	<p>CARBON MONOXIDE, CARBON DIOXIDE, TOXIC GASES, ACRYLIC MONOMERS. PROPIONALDEHYDE.</p>		

## SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	<p>COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS. VENTILATE AREA. EVACUATE ALL UNNECESSARY PERSONNEL. PLACE COLLECTED MATERIAL IN PROPER CONTAINER. SPILLED MATERIAL IS EXTREMELY SLIPPERY. 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.</p>
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## SECTION 7 HANDLING AND STORAGE

HANDLING AND STORAGE	<p>STORE BELOW 100F (38C). KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP FROM FREEZING.</p>
OTHER PRECAUTIONS	<p>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. AVOID CONDITIONS WHICH RESULT IN FORMATION OF INHALABLE PARTICLES SUCH AS SPRAYING OR ABRADING (SANDING) PAINTED SURFACES. IF SUCH CONDITIONS CANNOT BE AVOIDED, USE APPROPRIATE RESPIRATORY PROTECTION AS DIRECTED UNDER EXPOSURE CONTROLS/PERSONAL PROTECTION.</p>

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

COMMON NAME : TITANIUM DIOXIDE  
CAS NUMBER: 13463-67-7

# SIK55120EN

ACGIH(TWA) : 10 MG/M3 OSHA(TWA) : 10 MG/M3

## 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.

## PERSONAL PROTECTIVE EQUIPMENT

EYE WASH, SAFETY SHOWER, SAFETY GLASSES OR GOGGLES.  
IMPERVIOUS GLOVES, IMPERVIOUS CLOTHING.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE:	NOT AVAILABLE	SPECIFIC GRAVITY:	1.163
BOILING RANGE (F/C):	212-374/100-190	WEIGHT PER GALLON:	9.69/ 11.64IMP
%VOLATILE BY VOLUME:	68.16		
PHYSICAL STATE:	LIQUID	APPEARANCE	WHITE
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, NITRIC ACID, HYDROFLUORIC ACID.

### CONDITIONS TO AVOID

ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT, FREEZING.

### HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

## SECTION 11: TOXICOLOGICAL INFORMATION

COMMON NAME : TITANIUM DIOXIDE

CAS NUMBER: 13463-67-7

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

LD50: 24.00 GM/KG ORL RAT

LC50: 6820.00 MG/M3/4HR IHL RAT

COMMON NAME : FELDSPAR-TYPE MINERALS

CAS NUMBER: 37244-96-5

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

COMMON NAME : PROPYLENE GLYCOL

CAS NUMBER: 57-55-6

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

LD50: 20.00 GM/KG ORL RAT

LD50: 20.80 GM/KG SKN RBT

### SUPPLEMENTAL HEALTH INFORMATION

NO ADDITIONAL EFFECTS ARE ANTICIPATED

### CARCINOGENICITY

IN A LIFETIME INHALATION STUDY, EXPOSURE TO 250 MG/M3 TITANIUM DIOXIDE RESULTED IN THE DEVELOPMENT OF LUNG TUMORS IN RATS. THESE TUMORS OCCURRED ONLY AT DUST LEVELS THAT OVERWHELMED THE ANIMALS' LUNG CLEARANCE MECHANISMS AND WERE DIFFERENT FROM COMMON HUMAN LUNG TUMORS IN BOTH TYPE AND LOCATION. THE RELEVANCE OF THESE FINDINGS TO HUMANS IS UNKNOWN BUT QUESTIONABLE.

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED TITANIUM DIOXIDE AS POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B) BASED ON INADEQUATE EVIDENCE OF CARCINOGENICITY IN HUMANS AND SUFFICIENT EVIDENCE OF

CARCINOGENICITY IN EXPERIMENTAL ANIMALS.  
 REPRODUCTIVE EFFECTS NO REPRODUCTIVE EFFECTS ARE ANTICIPATED  
 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 PAINT \*\* PROTECT FROM FREEZING \*\*  
 IMDG NOT AVAILABLE  
 IATA NOT AVAILABLE  
 TDG NOT AVAILABLE

**SECTION 15: REGULATORY INFORMATION**

SARA SARA CERCLA HAZ AIR MARINE  
 302 313 302.4 POLLUTANT POLTNT  
 THIS PRODUCT CONTAINS NO SARA 302, CERCLA 302.4 OR HAZARDOUS AIR POLLUTANT CHEMICALS. IT ALSO CONTAINS NO CHEMICALS WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS UNDER SARA 313.  
 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.