

**MSDS for: Perfect Glue**

**Revised: 9-Mar-2010**

**SECTION 1: IDENTIFICATION**

PRODUCT IDENTIFIER: PG-00 PERFECT GLUE CLEAR MS POLYMER  
ADHESIVE  
DATE OF PREPARATION: MARCH 9, 2010  
PRODUCT USE: ADHESIVE  
MANUFACTURED BY: AKZO NOBEL  
15885 WEST SPRAGUE ROAD  
STRONGSVILLE, OHIO 44136, U.S.A.  
AKZO NOBEL (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 NORTH AMERICA

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

<b>INGREDIENT</b>	<b>WT. %</b>
CHEMICAL NAME: SILICA COMMON NAME: SILICON DIOXIDE CAS NUMBER: 112945-52-5	10-20
CHEMICAL NAME: POLY(OXY(METHYL-1,2-ETHANEDIYL)), .ALPHA.,ALPHA.', ALPHA."-1,2,3-PROPANETRIYLTRIS(.OMEGA.- (3- (DIMETHOXYMETHYLSILYL)PROPOXY)- COMMON NAME: SILYL TERMINATED POLYETHER CAS NUMBER: 151865-59-7	20-30
CHEMICAL NAME: SILANE, ETHENYLTRIMETHOXY- COMMON NAME: VINYLTRIMETHOXY-SILANE CAS NUMBER: 2768-02-7	1-5
CHEMICAL NAME: SILANE, DICHLORODIMETHYL-, REACTION PRODUCTS WITH SILICA COMMON NAME: SILICA CAS NUMBER: 68611-44-9	1-5
CHEMICAL NAME: POLY(OXY(METHYL-1,2-ETHANEDIYL)), .ALPHA.- (3-(DIMETHOXYMETHYLSILYL)PROPOXY)- COMMON NAME: SILYL TERMINATED POLYETHER CAS NUMBER: 75009-88-0	50-60

### **SECTION 3: HAZARDS IDENTIFICATION**

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

#### EFFECTS OF OVEREXPOSURE

INHALATION: NO EFFECTS ANTICIPATED.

SKIN CONTACT: MAY CAUSE SKIN IRRITATION.

EYE CONTACT: MAY CAUSE EYE IRRITATION.

INGESTION: MAY BE HARMFUL IF SWALLOWED.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOT AVAILABLE

### **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.

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): ABOVE 200F/93C      LOWER EXPLOSIVE LIMIT: NOT AVAILABLE  
UPPER EXPLOSIVE LIMIT: 19.9 %

FIRE EXTINGUISHING MEDIA: DRY CHEMICAL OR FOAM, WATER FOG, CARBON DIOXIDE

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR FIRE. 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, OXIDES OF SILICON

## **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. EVACUATE ALL UNNECESSARY PERSONNEL.

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**

STORE BELOW 100F (38C). KEEP AWAY FROM DIRECT SUNLIGHT, HEAT AND ALL SOURCES OF IGNITION. KEEP CONTAINER TIGHTLY CLOSED IN A WELL-VENTILATED AREA.

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. 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. GROUND EQUIPMENT WHEN TRANSFERRING TO PREVENT ACCUMULATION OF STATIC CHARGE.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

COMMON NAME: SILICON DIOXIDE  
CAS NUMBER: 112945-52-5  
ACGIH(TWA): 10 MG/M3 OSHA(TWA): 6 MG/M3

RESPIRATORY PROTECTION

WHERE RESPIRATORY PROTECTION IS REQUIRED, USE ONLY NIOSH/MSHA APPROVED RESPIRATORS IN ACCORDANCE WITH OSHA STANDARD 29 CFR 1910.134.

VENTILATION

PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS. USE EXPLOSION-PROOF EQUIPMENT.

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:	1.089
BOILING RANGE (F/C):	252-252/122-122	WEIGHT PER GALLON:	9.07 / 10.89 IMP
APPEARANCE:	CLEAR	%VOLATILE BY VOLUME:	2.60
PHYSICAL STATE:	PASTE	PH:	N/A
SOLUBLE IN WATER:	N		

**SECTION 10: STABILITY AND REACTIVITY**

UNDER NORMAL CONDITIONS: STABLE - STABLE BELOW 212 F (100 C).  
(SEE SECTION 5 FIRE FIGHTING MEASURES)

MATERIALS TO AVOID: OXIDIZERS, ACIDS, WATER

CONDITIONS TO AVOID: ELEVATED TEMPERATURES, MOISTURE, SPARKS,  
OPEN FLAME, IGNITION SOURCES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

**SECTION 11: TOXICOLOGICAL INFORMATION**

COMMON NAME: SILICON DIOXIDE  
CAS NUMBER: 112945-52-5  
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO  
LD50: 3160.00 MG/KG ORL RAT

COMMON NAME: SILYL TERMINATED POLYETHER  
CAS NUMBER: 151865-59-7  
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO  
LD50: 5000.00 MG/KG ORL RAT

COMMON NAME: VINYLTRIMETHOXYSILANE  
CAS NUMBER: 2768-02-7  
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO  
LD50: 11.30 ML/KG ORL RAT  
LD50: 3.54 ML/KG SKN RBT

COMMON NAME: SILICA  
CAS NUMBER: 68611-44-9  
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME: SILYL TERMINATED POLYETHER  
CAS NUMBER: 75009-88-0  
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO  
LD50: 5000.00 MG/KG ORL RAT

**SUPPLEMENTAL HEALTH INFORMATION**

NO ADDITIONAL EFFECTS ARE ANTICIPATED

CARCINOGENICITY: NO CARCINOGENIC EFFECTS ARE ANTICIPATED

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 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: ADHESIVE  
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 BELIEVES TO BE RELIABLE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA. AKZO NOBEL 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.