

MATERIAL SAFETY DATA SHEET

PRODUCT: SGI HI-TAC SILICA ADHESIVE

DATE: JANUARY 2007

SECTION I: MANUFACTURER INFORMATION

Distributed By: SPECIALTY GASKETS, INC.
6400 Shawson Drive, Unit 1
MISSISSAUGA, ONTARIO
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905-564-0807

T.D.G. CLASSIFICATION NOT REGULATED
UN NUMBER N.AP.
PACKING GROUP N.AP.
PRODUCT NAME HI-TAC SILICA ADHESIVE
PRODUCT CODE 859108
WHIMS CLASSIFICATION THIS IS NOT A CONTROLLED PRODUCT
CAS NUMBER 1344-09-8
CHEMICAL FORMULA SILICIC ACID, SODIUM SALT
MOLECULAR WEIGHT MIXTURE
CHEMICAL FAMILY INORGANIC
MATERIAL USE VARIOUS

SECTION II: HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	T.L.V.	C.A.S#	LD/50, RTE.	LC/50, RTE.
SODIUM OXIDE	5-10	--	12401-86-4	N.AV.	N.AV.
SILICONE DIOXIDE	15-40	80 MG/M3	7631-86-9	N.AV.	N.AV.

SECTION III: PHYSICAL DATA

PHYSICAL STATE VISCOUS FLUID
ODOUR NO ODOUR
ODOUR THRESHOLD N.AV.
VAPOUR PRESSURE (MMHG) N.AV.
VAPOUR DENSITY (AIR=1) N.AV.
EVAPORATION RATE N.AV.
BOILING POINT N.AV.
PH 11.5
SPECIFIC GRAVITY (WATER=1) 1.480
SOLUBILITY IN WATER (% W/W) COMPLETE
COEFFICIENT OF WATER/OIL N.AV.
DIST.

SECTION IV: FIRE & EXPLOSION DATA

FLAMMABILITY	NOT FLAMMABLE
IF YES, UNDER WHICH CONDITIONS?	
EXTINGUISHING MEDIA	N.AP.
SPECIAL PROCEDURES	N.AP.
FLASH POINT (C), METHOD	N.AP.
AUTO IGNITION TEMPERATURE	N.AV.
T.D.G. FLAM. CLASS	NOT REGULATED
UPPER FLAMMABLE LIMIT (% BY VOL.)	N.AP.
LOWER FLAMMABLE LIMIT (% BY VOL.)	N.AP.
HAZARDOUS COMBUSTION PROD.	N.AV.
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE
EXPLOSION DATA	
SENSITIVITY TO STATIC DISCHARGE	N.AV.
SENSITIVITY TO IMPACT	N.AV.
RATE OF BURNING	N.AV.
EXPLOSIVE POWER	N.AV.

SECTION V: REACTIVITY DATA

CHEMICAL STABILITY	
YES	YES
NO, WHICH CONDITIONS	
COMPATIBILITY WITH OTHERS SUBSTANCES:	
YES	
NO, WHICH ONES?	GELS WHEN MIXED WITH ACIDS
REACTIVITY CONDITIONS?	FLAMMABLE HYDROGEN GAS MAY BE PRODUCED ON PROLONGED CONTACT WITH METALS SUCH AS ALUMINUM, TIN, LEAD, AND ZINC.
HAZARDOUS PRODUCTS OF DECOMPOSITION	HYDROGEN GAS

SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:	
SKIN CONTACT	CAUSES IRRITATION
SKIN ABSORPTION	N.AV.
EYE CONTACT	CAUSES IRRITATION
INHALATION	CAUSES IRRITATION
INHALATION, CHRONIC	NONE KNOWN
INGESTION	CAUSES IRRITATION
EFFECTS OF ACUTE EXPOSURE	SEE ABOVE

EFFECTS OF CHRONIC EXPOSURE	NONE KNOWN
LD 50 OF MATERIAL, SPECIES & ROUTE	N.AV.
LC 50 OF MATERIAL, SPECIES & ROUTE	N.AV.
EXPOSURE LIMIT OF MATERIAL	OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGIH THRESHOLD LIMIT VALUE HAVE NOT BEEN ESTABLISHED. NSL RECOMMENDED CEILING LIMIT IS 5 MG/M3. EXPOSURE ANALYSIS METHODS: BUBBLE SAMPLE THROUGH STANDARDIZED ACID SOLUTION AND TITRATE.
IRRITANCY OF MATERIAL	REFER TO ROUTE OF ENTRY
SENSITIZING CAPABILITY OF MATERIAL	NONE KNOWN
CARCINOGENICITY OF MATERIAL	NONE KNOWN
REPRODUCTIVE EFFECTS	NONE KNOWN
SYNERGISTIC MATERIALS	NONE KNOWN

SECTION VII: PREVENTATIVE MEASURES

GLOVES/TYPE	RUBBER
RESPIRATORY/TYPE	USE NIOSH APPROVED RESPIRATOR.
EYE/TYPE	CHEMICAL SAFETY GOGGLES FACE SHIELD
FOOTWEAR/TYPE	RUBBER SAFETY BOOTS
CLOTHING/TYPE	WEAR IMPERVIOUS PROTECTIVE CLOTHING
OTHER/TYPE	EYE BATH AND SAFETY SHOWER
ENGINEERING CONTROLS	VENTILATE ADEQUATELY
LEAK/SPILL	SMALL QUANTITIES (LESS THAN 100 GAL.): MOP UP AND FLUSH TO SEWER WITH PLENTY OF WATER. LARGE QUANTITIES: ISOLATE, DIKE AND STORE DISCHARGED MATERIAL IF POSSIBLE. OTHERWISE DISPERSE AND FLUSH WITH WATER. OBSERVE ENVIRONMENTAL PROTECTION REGULATIONS.
WASTE DISPOSAL	SMALL QUANTITIES (LESS THAN 100 GAL.): FLUSH TO SEWER WITH PLENTY OF WATER. LARGE QUANTITIES: NEUTRALIZE WITH DILUTE ACID AND LANDFILL SOLIDS ACCORDING TO LOCAL, PROVINCIAL, AND FEDERAL REGULATIONS. FLUSH NEUTRAL LIQUID TO SEWER WITH PLENTY OF WATER.
HANDLING PROCEDURES AND EQUIPMENT	AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE RE-USE. MAINTAIN A GOOD PERSONAL HYGIENE.
STORAGE NEEDS	KEEP CONTAINER CLOSED WHEN NOT IN USE. NORMAL STORAGE CONDITIONS
SPECIAL SHIPPING INSTRUCTIONS	SEE SECTION 1 TDG CLASSIFICATION.

SECTION VIII: FIRST AID MEASURES

INSTRUCTIONS:

FLUSH EYES WITH LARGE AMOUNTS OF RUNNING WATER FOR AT LEAST 15 MINUTES.

HOLD EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYE AND LIDS WITH WATER.

GET IMMEDIATE MEDICAL ATTENTION.

IN CASE OF INGESTION, DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

GIVE LARGE QUANTITIES OF WATER OR MILK.

IN CASE OF INHALATION, REMOVE TO FRESH AIR.

FLUSH CONTAMINATED SKIN WITH PLENTY OF WATER.

SECTION VIII: PREPARATION INFORMATION

EMERGENCY PHONE NO. 416-444-2112

N.AP. = NOT APPLICABLE

N.AV. = NOT AVAILABLE