

Speedline [®] **Corp.** 6810 Cochran Road Solon, Ohio 44139 Date Prepared:10/07/08Emergency Phone:Chem-Tel 800/255-3924Information Phone:440-498-3878

Section 1 – Product Identification

Name: Generic Description: Physical Form: Color: Odor: NFPA Profile:

73-20 RTV Adhesive/Sealant

Silicone Elastomer Physical Form White, aluminum, clear Acetic acid order Health 1, Flammability 1, Reactivity 0

Section 2 - OSHA Hazardous Ingredients

<u>Components</u>	Wght./%	Exposure Limits
Methyltriacetoxysilane	2	* See comments.
Silica, amorphous	11	OSHA PEL: TWA 15 mg/m^3 respirable fraction. ACGIH TLV; TW A 10 mg/m^3 total dust.
Ethyltriacetoxysilane	2	* See comments.

*Comments: Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposure within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

Section 3 – Effects of Exposure

Acute effects:	
Eye:	Direct contact irritates moderately with redness and swelling.
Skin:	A single short exposure (less than 24 hours) may irritate. Repeated, prolonged contact (24 to 48 hours) may irritate moderately.
Inhalation: Oral:	Vapor overexposure may irritate eyes, nose and throat. Small amounts transferred to the mouth by fingers during use, etc. should not injure. Swallowing large amounts may cause digestive discomfort.

Repeated Exposure Effects

Skin:	None Known.
Inhalation:	None Known.
Oral:	None Known.

Special Hazards

Carcinogens:	None Known.
Teratogens:	None Known.
Mutagens:	None Known.
Reproductive Toxins:	None Known
Sensitizers:	None Known

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar composition component data and/or expert review of the product.



Section 4 – First Aid Measures

Eye: Skin:	Immediately flush with water for 15 minutes; get medical attention. Remove from skin and wash thoroughly with soap and water or waterless soap. Get medical
	attention if irritation or other ill effects develop or persist.
Inhalation:	Move to an area with fresh air.
Oral:	No first aid should be needed.

Section 5 – Fire Fighting Measures

Flash Point (Closed Cup):	178.00° F (81.11° C)
Autoignition Temperature:	Not determined.
Flammability Limits in Air:	Not determined.
Extinguishing Media:	Carbon dioxide (co ₂), water, water fog (or spray), dry chemical or foam.
Unsuitable Extinguishing:	None
Fire Fighting Procedures:	Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount of this material is involved, the area should be evacuated.
Unusual Fire Hazards:	None.
Hazardous Decomposition:	Thermal breakdown of this product during fires, or due to very high heat conditions, may evolve the following hazardous decomposition products:
	Silicon dioxide, carbon oxides and traces of incompletely burned carbon compounds and formaldehyde.

Section 6 – Accidental Release Measures

Containment/Cleanup: Disposal of collected product, residues and cleanup materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Scrape up and contain for salvage or disposal. Observe all personal protection equipment recommendations described in Section 5 and 8. Local, state and federal reporting requirements may apply to spills or releases of this material into the environment. See applicable regulatory compliance information in Section 15.

Section 7 – Handling and Storage

Handling: No special precautions.

Storage: Keep container closed and stored away from water or moisture.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls Local exhaust:

Recommended.



General Ventilation:	Recommended.	
Personal Protective Equipment for Routine HandlingEyes:Use proper protection – safety glasses as a minimum.		
Skin:	Washing at mealtime and end of exposure.	
Suitable gloves:	No special protection needed.	
Inhalation: Suitable Respirator:	Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data shows exposure to be within the recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls. Organic vapor type.	
Personal Protection Equipment for Spills		
Eye:	Use proper protection – safety glasses as a minimum.	
Skin:	Washing at mealtimes and at the end of exposure.	
Inhalation/Suitable Respirator:	Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data shows exposure to be within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.	
Precautionary Measures:	Avoid eye contact. Avoid breathing vapor. Keep container closed. Use reasonable care.	
Comments:	Product evolves acetic acid (HOAc) when exposed to water or humid air. Provide ventilation during use to control HOAc within exposure guideline (see Section 2) or use respirator protection.	

Note: These precautions are for room temperature handling; use at elevated temperatures may require added protection.

Section 9 – Physical and Chemical Properties

Physical form:	Paste.
Color:	White, aluminum or clear.
Odor:	Acetic acid odor.
Specific Gravity @ 25° C:	1.04
Viscosity:	Not applicable.
Freeze/melt point:	Not determined.
Boiling point:	Not applicable.
Vapor pressure:	Not applicable.
Vapor density:	Not applicable.
Solubility in water:	Not applicable.
ph:	Not applicable.
ph:	Not applicable.
Volatile content:	32 gr / ltr
	e

Section 10 – Stability and Reactivity

Chemical stability:

Stable.



Hazardous Polymerization:	Hazardous polymerization will not occur.
Conditions to avoid:	None.
Materials to avoid:	Oxidizing material can cause a reaction. Water, moisture or humid air -
	hazardous vapors form as described in Section 2.

Section 11 – Toxicological Information		
Toxicological Information: No Known Applicable Information		
Section 12 – Ecological Information	<u>L</u>	
Environmental Fate & Distribution:	Complete information not available.	
Environmental Effects:	Complete information is not yet available.	
Fate & Effects in Waste Water		
Treatment Plants:	Complete information is not yet available.	

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	<1and<=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <=2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment". ASTM STP 1179, p. 34, 1993 This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

Section 13 – Disposal Considerations

RCRA HAZARD CLASS (40 CFR 261)

SECTION 13 NOTES:

When a decision is made to discard this material, as received, is it classified as a hazardous waste? NO

Check State and Local laws for additional regulatory requirements regarding disposal.

<u>Section 14 – Transport Information</u>

DOT Road Shipment Information (49 CFR 172.101): Ocean Shipment (IMDG): Air Shipment (IATA): Not subject to DOT. Not subject to IMDG code. Not subject to IATA regulations.

Section 15 – Regulatory Information



Contents of this MSDS comply with the OSHA Hazard Communications Standard 29CFR 1910, 1200 TSCA Status. All chemical substances found in this product comply with the toxic Substances Control Act inventory reporting requirements.

EPA SARA Title III Chemical Listings	
Section 302 Extremely Hazardous Substances:	None.
Section 304 CERCLA Hazardous Substances:	None.
Section 312 Hazard Class:	
Acute:	Yes.
Chronic:	No.
Fire:	No.
Pressure:	No.
Reactive:	No.
Section 313 Toxic Chemicals:	None present or none present in regulated quantities.

Supplemental State Compliance Information

California

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being know to cause cancer: None known.

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being know to cause birth defects or other reproductive harm: None known.

Weight %	Component
Massachusetts 11%	Silica, amorphous
New Jersey	
81% 2% 2% 1% 11%	Dimethyl siloxane, hydroxyl-terminated Methyltriacetoxysilane Ethyltriacetoxysilane Polydimethylsiloxane Silica, amorphous fumed; #1655
Pennsylvania 81% 11%	Dimethyl siloxane, hydroxyl – terminated Silica, amorphous

<u>Section 16 – Disclaimer</u>

The information presented in this MSDS represents the most accurate known presentation of this product. However, due to the many and diverse variables in its end use, it is the end users' responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary.

 SAFETY DATA SHEET

 SAFETY DATA SHEET

 Version 0.0

 Print Date 10/12/2011

 Revision Date 00/00/0000

 Print Date 10/12/2011

 000000012969

 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

 Trade name
 :
 TSE382-B

 Product code
 :
 000000012969

 Company Name
 :
 Momentive Performance Materials Japan LLC

 Street address
 :
 133,Nishi-shinmachi,Ohta-shi,Gunma,Japan

 Responsible Department
 :
 Product Stewardship & Compliance Group

Trade name	:	TSE382-B	
Product code	:	00000012969	
Company Name Street address Responsible Department Prepared by Telephone Telefax Emergency contact		Momentive Performance Materials Japan LLC 133,Nishi-shinmachi,Ohta-shi,Gunma,Japan Product Stewardship & Compliance Group Product Stewardship & Compliance 81-276-31-1468 81-276-31-3061 Product Stewardship & Compliance Group Telephone 81-276-31-1468 night / 81-276-31-4118 weekend	
	:	Telefax 81-276-31-3061	

2. HAZARDS IDENTIFICATION

GHS Classification:

Explosives; Classification not possible Flammable gas; Not applicable Flammable aerosol; Not applicable Oxidizing gases; Not applicable Gases under pressure; Not applicable Flammable liquids; Not applicable Flammable solid; Classification not possible Self-reactive substances and mixtures; Classification not possible Pyrophoric liquids; Not applicable Pyrophoric solids; Classification not possible Self-heating substances and mixtures; Classification not possible Substances and mixtures, which in contact with water, emit flammable gases; Classification not possible Oxidizing liquids; Not applicable Oxidizing solids; Classification not possible Organic peroxides; Classification not possible Corrosive to metals; Classification not possible Acute toxicity; Not classified; Oral Acute toxicity; Category 5; Dermal Acute toxicity; Not applicable; Inhalation - gas Acute toxicity; Classification not possible; Inhalation - vapour Acute toxicity; Classification not possible; Inhalation - dust and mist



TSE382-B

Version *0.0* Revision Date 00/00/0000 Print Date 10/12/2011 000000012969

Specific target organ toxicity Aspiration hazard; Classifica Acute hazards to the aquation	ssific ed ifica - si - re tion c en	cation not possible tion not possible ngle exposure; Classification not possible epeated exposure; Not classified
GHS-Labelling:		
Signal word	:	warning
Hazard statements	:	May be harmful in contact with skin. May cause an allergic s reaction.
Precautionary statements:		
Precautionary Statement - Prevention	:	Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement - Response	:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. Wa contaminated clothing before reuse.
Precautionary Statement -	:	Dispose of contents/container to an approved incineration

Pure substance/mixture Mixture

Chemical nature Silicone compound



TSE382-B

Version 0.0 Revision Date 00/00/0000 Print Date 10/12/2011 000000012969

Hazardous components

Chemical Name	CAS-No.	ENCS No.	KECI No.	Concentration %
Oxime silanes	Trade secret	Trade secret	Trade secret	1.0 - 10.0
Silica	Trade secret	(1)-548	Trade secret	1.0 - 10.0
Carbon Black	1333-86-4	(5)-3328	KE-04682	0.1 - 1.0

Industrial Safety and Health Law

Chemical Name	Cabinet Order Number:
Silica	312
Carbon Black	130

4. FIRST AID MEASURES

Inhalation	Move to fresh air. Get medical attention.	
Skin contact	: Wash with plenty of soap and water. Get medical attention symptoms occur.	n if
Eye contact	Rinse immediately with plenty of water and seek medical advice.	
Ingestion	Do not induce vomiting. Get medical attention immediatel	у.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Extinguish with foam, carbon dioxide or dry powder.
Special fire fighting procedures	:	Remove sources of combustibles. Extinguish the fire using fire- fighting media listed above. Cool surrounding tanks, buildings and so on by spraying with water to prevent the fire extension. The fire fighting should be done from the windward side, with suitable respiratory protective device, if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions,	:	Use personal protective equipment.	Keep people away from
protective equipment and		the area. Keep upwind.	

AFETY DATA SHEET	,	
	TSE382-B	
ersion <i>0.0</i> vision Date 00/00/0000		Print Date 10/12/20 000000129
emergency procedures		
Environmental precautions	: Do not allow runoff to se	wer, waterway or ground.
Methods for cleaning up	sand or sandbags, if the	er for recovery after preventing spill by amount of spill is large. Put in an overy after wiping or soaking up in an unt of spill is small.
Prevention of secondary hazards	: Remove sources of ignit	ion.
HANDLING AND STOR	AGE	
Handling		
Advice on safe handling	Keep away from sources from moisture as part of sensitive. Seal opened possible. This product r	spiratory protection when in handling." s of ignition - No smoking. Keep away this product contains is moisture containers and use up as soon as elease Methyl Ethyl Ketoxime during ventilated areas. Avoid inhalation of
Advice on protection against fire and explosion		e static charges which may cause an source). Use proper bonding and/or
Storage		
Requirements for storage areas and containers	: Store in a dark, cool plac closed.	ce indoors, with container tightly
EXPOSURE CONTROLS	PERSONAL PROTEC	ΤΙΟΝ
Engineering measures		
Provide adequate general ar Eyewash bottle with clean w		
Personal protective equipr	nent	
Respiratory protection	: Gas mask for organic ga	as if MEKO exposure limits are WA, recommended workplace

AFETY DATA SHEET		
	TSE382-B	
sion <i>0.0</i> ision Date 00/00/0000		Print Date 10/12/20 0000000129
Hand protection	: Advice: Rubber or plastics gloves	
Eye protection	: Safety glasses with side shields	
Skin and body protection	: Wear rubber boots. Chemical resistant clothing	
PHYSICAL AND CHEMI	CAL PROPERTIES	
Appearance		
Form	: Paste	
Colour	: Black	
Odour	: Faint	
Safety data		
рН	: No data available.	
Melting Point	: Melting point (℃) Not applied	
Boiling point/boiling range	: Not applied	
Flash point Autoignition temperature	: 136 °C : 450 °C	
Lower explosion limit	: No data available.	
Upper explosion limit	: No data available. Not applied	
Vapour pressure	: Not applied	
Density	: 1.04 g/cm3 at 25 ℃	
Water solubility	: Insoluble	
Solubility in other solvents	: No data available.	



TSE382-B

Version 0.0 Revision Date 00/00/0000 Print Date 10/12/2011 000000012969

10. STABILITY AND REACTIVITY

Conditions to avoid	: Keep away from heat, sparks and open flame.
Materials to avoid	: Moisture. The catalysis of strong acids or bases cause polymerization or decomposition.
Further Information	: Combustible Flammability
Hazardous decomposition products	: Reacts with water/moisture liberating Methylethylketoxime (MEKO) = 2-Butanone-oxime. Measurements at temperatures above 150℃ in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	No data available.
Acute inhalation toxicity	:	No data available.
Acute dermal toxicity	:	No data available.
Skin irritation.	:	No data available.
Eye irritation	:	No data available.
Sensitization	:	No data available.
Mutagenicity	:	No data available.

Further information

Toxicity of methyl ethyl ketoxime (MEKO) liberated when the material is in touch with water or moisture in the air, or the material is curing.

SKIN CONTACT: May cause mild skin irritation.

EYE CONTACT: Causes severe eye irritation may damage tissue.

ACUTE ORAL TOXICITY: LD50 = 4ml/kg (rat).

ACUTE INHALATION: 4-hr LC50 = > 4.8mg/l (rat).

INHALATION TOXICITY: Narcotic(central nervous system)effects in high concentrations. Effects were reversible when exposure was ended. Prolonged overexposure causes adverse effects on the blood.

SKIN SENSITIVITY: Positive (guinea pig).No allergic reaction to humans.



TSE382-B

Version 0.0 Revision Date 00/00/0000 Print Date 10/12/2011 000000012969

CARCINOGENICITY: A lifetime (about two years) inhalation study in male and female mice and rats revealed that liver tumors were observed in male mice and rats at a high exposure level of 375 ppm.

OTHER LONG-TERM EXPOSURE TESTS: Atrophy of nasal epithelium cells was observed in both mice and rats at all concentrations. The effect appeared reversible at lower concentrations.

PERMISSIBLE CONCENTRATION: TWA 3 ppm (supplier's recommended value), Keep well ventilated (STEL 10 ppm or less). The WEEL recommended value of AIHA is TWA 10 ppm.

12. ECOLOGICAL INFORMATION

Ecotoxicological data for this product is not available.

13. DISPOSAL CONSIDERATIONS

Product

This product falls under Industrial Waste based on Wastes Disposal and Public Cleansing Law. Dispose of in accordance with this law and local regulations.

14. TRANSPORT INFORMATION

Japan Dangerous Goods Regulatory Information:

:

JFSL Designated Flammable Substances (Combustible solids) for 3tons or more, No fire

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Inventories

Australia Inventory of	y (positive listing)
Chemical Substances (AICS) Japan Inventory of Existing & New Chemical Substances	y (positive listing)
(ENCS)	
China Inventory of Existing	y (positive listing)
Chemical Substances	
Korea Existing Chemicals	y (positive listing)
Inventory (KECI)	
Canada DSL Inventory	y (positive listing)
Canada NDSL Inventory	n (Negative listing)

MOMENTI	E	
SAFETY DATA SHEE	Ť	
	TSE382-B	
/ersion 0.0 Revision Date 00/00/0000		Print Date 10/12/201 000000012969
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)	
TSCA list	q (quantity restricted)	Listed on TSCA
For inventories that are ma Momentive.	rked as quantity restricted or s	pecial cases, please contact
National legislation		
	: JFSL Designated Flamr for 3tons or more.	mable Substances (Combustible solids)
PRTR and Promotion of Order No. 356, 2008): Specified Class 1 substance(s):	Chemical Management Law,	new regulated substances (Cabinet
Class 1 Substance(s):	:	
Class 2 Substance(s):	:	
-	I th Law: Ibstance(s): Silica, Carbon bla stance(s) subject to labeling	
Poisonous and Deleterio Specified poisonous sub	us Substances Control Law:	
Main law:	: Not Applicable	
Cabinet order:	: Not Applicable	
Poisonous Substance(s)	:	
Main law:	: Not Applicable	
Cabinet order:	: Not Applicable	
Deleterious Substance(s):	
Main law:	: Not Applicable	
Cabinet order:	: Not Applicable	
High Pressure Gas Safet High Pressure Gases, Ar Law Concerning the Exa Substances: Not Applicab	ticle 2: Not Applicable mination and Regulation of M	lanufacture, etc. of Chemical
	8/9	



TSE382-B

Version 0.0 Revision Date 00/00/0000 Print Date 10/12/2011 000000012969

16. OTHER INFORMATION	
Literature Reference	ACGIH TLV for Chemical Substances Chemical safe administration data book (The Chemical Daily Co., Ltd.)
Precautions :	This material is developed and manufactured for industrial applications only. For medical or other special applications, use after performing safety testing on the product and confirming safety. Never use for human applications such as implant, impregnation, or where a residue may possibly remain in the body.
Other precautions :	Other (an address, and telephone and fax numbers for information, references) The information herein is made based on references, information and data available at present. It may be revised when new information is available. The descriptions herein are for normal handling. For special applications, make safety provisions suitable to them prior to use. The physical properties and other values indicated on this document are average values expected for the product and are not guaranteed.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.