



Chemical Name: Adhesive Bond

Manufacturer: Chromeric

Container size: NA

Location: VLA

Disposal: Place empty container in trash.



Electrically Conductive RTV Adhesive Part 1

Product code(s): 72-00236

SDS Preparation Date (dd/mm/yyyy): 01/06/2011

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SAFETY DATA SHEET

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

Product identifier : **Electrically Conductive RTV Adhesive Part 1**

Product Code(s) : 72-00236

SDS No. : PHC-012 EU

Relevant identified uses of the substance or mixture and uses advised against

: Two component silicone adhesive; Part 1.
Use pattern: professional use.

Details of the supplier of the safety data sheet:

Parker Hannifin France

SAS-Etablissement de Saint Ouen l'Aumône-PA du vert
Galant-6/8 avenue du Vert
Galant-95310 Saint Ouen l'Aumône-France

Telephone : 033 (0) 1 34 32 39 00

Emergency Telephone Number : 001-352-323-3500 (INFOTRAC)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

paste - blue. Solvent odour.

Most important hazards: This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008.

Classification:

Flammable liquid - Category 2; H225
Skin corrosion/irritation - Category 2; H315
Reproductive toxicity - Category 2; H361fd
STOT - single exposure - Category 3; H336
STOT - repeated exposure - Category 2; H373
Aspiration toxicity - Category 1; H304

The preparation is classified as dangerous in accordance with Directive 1999/45/EC. Classification:

F;R11 - Highly flammable.

Xn - Harmful

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Repr.Cat.3;R62 - Possible risk of impaired fertility.

Repr.Cat.3;R63 - Possible risk of harm to the unborn child.

R65 - Harmful: may cause lung damage if swallowed.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness.

Label elements

Hazardous components which must be listed on the label: Toluene; Octamethylcyclotetrasiloxane; Tetrachloroethylene.

Signal word: Danger.

Hazard statements:

H225 - Highly flammable liquid and vapour

H315 - Causes skin irritation.

H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child. H336 - May cause drowsiness and dizziness.

H373 - May cause damage to organs (a,b,c) through prolonged or repeated exposure if inhaled.

H304 - May be fatal if swallowed and enters airways.

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Precautionary statements

P210 - Keep away from sources of ignition - No smoking.

P280 - Wear protective gloves and eye/face protection.

P260 - Do not breathe vapours/aerosols.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

P331 - Do NOT induce vomiting.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P332+P313 - If skin irritation occurs, get medical advice/attention.

P501 - Dispose of contents/container in accordance with local regulation.



Other hazards

Other hazards which do not result in classification: When heated above 150°C in air, may release formaldehyde gas. Formaldehyde is an eye and throat irritant and acute toxicant. Formaldehyde may cause sensitisation by skin contact. Formaldehyde has shown limited evidence of a carcinogenic effect. If product is heated, inhalation of fumes released from product may cause 'polymer fume fever', a flu-like illness. Inhalation of fumes may result in metal fume fever, a flu-like illness. May cause irritation of respiratory tract. Mild eye irritant.

Environmental precautions:

Avoid release to the environment. This preparation contains substances considered to be very persistent and very bioaccumulating (vPvB). Contains Octamethylcyclotetrasiloxane See ECOLOGICAL INFORMATION, Section 12. The product should not be allowed to enter drains, water courses or the soil.

PBT assessment: This mixture contains substances considered to be very persistent and very bioaccumulating (vPvB). Contains: Octamethylcyclotetrasiloxane.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable

Mixtures

Chemical nature of the preparation: Mixture - Silicone resin; Hydrocarbons; Siloxanes; Inorganic substances in powdered form. The following substances shall be indicated according to legislation:

Chemical name	CAS #	EC No.	Concentration	EU Classification	CLP Classification
Aluminium	7429-90-5	231-072-3	40.0 - 70.0	F - Highly flammable; R11 - R15	Water-react. 2; H261 Flam. sol. 1; H228
Toluene	108-88-3	203-625-9	10.0 - 30.0	F - Highly flammable; R11 Xi - Irritant; R38 Xn - Harmful R48/20 Repr. Cat.3; R63 R65 R67	Flam. Liq. 2; H225 Repr. 2; H361d Asp. Tox. 1; H304 STOT RE 2; H373 Skin Irrit. 2; H315 STOT SE 3; H336

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Siloxanes and Silicones, dimethyl, hydroxy-terminated, reaction products with chlorotrimethylsilane, hydrochloric acid, isopropyl alcohol and sodium silicate	68440-70-0	Polymer	10.0 - 30.0	None assigned.	None assigned.
Silver metal	7440-22-4	231-131-3	10.0 - 30.0	None assigned. Substances for which there are Community workplace exposure limits.	None assigned. Substances for which there are Community workplace exposure limits.
Octamethylcyclotetrasiloxane	556-67-2	209-136-7	3.0 - 7.0	R53 Xn - Harmful; Repr.Cat.3;R62	Repr. 2; H361f Aquatic Chronic 4; H413
Tetrachloroethylene	127-18-4	204-825-9	0.1 - 1.0	Xn - Harmful; Carc.Cat.3;R40 N - Dangerous for the environment; R51/53	Carc. 2; H351 Aquatic Chronic 2; H411
The following ingredient may be released from the product only when heated above 150°C:					
Formaldehyde	50-00-0	200-001-8	Not known.	T - Toxic; R23/24/25 C - Corrosive; R34 Xn - Harmful; Carc.Cat.3;R40 Xi - Irritant; R43	Carc.2; H351 Acute Tox. 3; H331 (Minimum classification) Acute Tox. 3; H311 (Minimum classification) Acute Tox. 3; H301 (Minimum classification) Skin Corr. 1B; H314 Skin Sens. 1; H317

Note: Formaldehyde is not intentionally added to this product.

For the full text of the H and R phrases not mentioned in this Section or in Section 2, see Section 16.

4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician. Never give anything by mouth to an unconscious person.
- Inhalation* : If breathed in, move person into fresh air. Call a POISON CENTRE or doctor/physician if you feel unwell. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only.
- Skin contact* : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs, get medical advice/attention.
- Eye contact* : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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Most important symptoms and effects, both acute and delayed

- : Causes skin irritation.
- Suspected of damaging fertility or the unborn child.
- May cause drowsiness and dizziness.
- May cause damage to organs through prolonged or repeated exposure.
- May be fatal if swallowed and enters airways.
- May cause respiratory irritation.
- Mild eye irritant.

When heated above 150°C in air, may release formaldehyde gas. Formaldehyde is an eye and throat irritant and acute toxicant. Formaldehyde may cause sensitisation by skin contact. Formaldehyde has shown limited evidence of a carcinogenic effect.

If product is heated, inhalation of fumes released from product may cause 'polymer fume fever', a flu-like illness. Inhalation of fumes may result in metal fume fever, a flu-like illness.

Indication of any immediate medical attention and special treatment needed

- : Aspiration hazard IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

- : Carbon dioxide (CO₂); Dry chemical; Alcohol-resistant foam; Water spray .

Unsuitable extinguishing media

- : Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture

- : Highly flammable. May be ignited by open flame. Vapours are heavier than air and may spread along floors. The pressure in sealed containers can increase under the influence of heat. Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: formaldehyde; Carbon oxides; Hydrocarbons; Aldehydes; silicon oxides; Metal oxides; Phosgene; Chlorine; Hydrogen chloride gas; Nitrogen oxides (NO_x); hydrogen cyanide .

Advice for firefighters

Protective equipment for fire-fighters

- : Wear self-contained breathing apparatus and protective suit. Fight fire with normal precautions from a reasonable distance.

Special fire-fighting procedures

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Wear suitable protective equipment. Keep people away from and upwind of spill/leak.

Environmental precautions

- : Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and material for containment and cleaning up

- : Ventilate the area. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

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Reference to other sections

- : Refer to protective measures listed in sections 7 and 8. Refer to Section 13 for disposal of contaminated material.

7. HANDLING AND STORAGE

Precautions for safe handling

- : Wear protective gloves/clothing and eye/face protection. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Keep away from sources of ignition - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

- : Store in cool/well-ventilated place. Inspect periodically for damage or leaks. No smoking. Protect from sunlight. Store away from heat. Store in a place accessible by authorized persons only.

Specific end use(s)

- : Adhesive

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Limits:			
Chemical Name	Exposure Limits	Type	Notes
Aluminium	10 mg/m ³ (metal); 5 mg/m ³ (dust) (TWA)	France (OEL)	None.
	2.5 mg/m ³ (total inhalable dust and fume) 1.2 mg/m ³ (respirable dust and fume) (TWA)	Poland (OEL)	None.
	10 mg/m ³ (dust) (TWA)	Spain (OEL)	None.
	10 mg/m ³ (inhalable); 4 mg/m ³ (respirable dust) (TWA)	The United Kingdom (The United Kingdom (WELs))	None.
	30 mg/m ³ (inhalable); 12 mg/m ³ (respirable dust) (STEL)		
Formaldehyde	0.5 ppm (TWA) 1 ppm (STEL)	France (OEL)	None.
	0.5 mg/m ³ (TWA) 1 mg/m ³ (STEL)	Poland (OEL)	Skin notation
	0.3 ppm (0.37 mg/m ³) (STEL)	Spain (OEL)	None.
	2 ppm (2.5 mg/m ³) (TWA) 2 ppm (2.5 mg/m ³) (STEL)	The United Kingdom (The United Kingdom (WELs))	None.
Octamethylcyclotetrasiloxane	None known.	European Union (OEL)	None.
Siloxanes and Silicones, dimethyl, hydroxy-terminated, reaction products with chlorotrimethylsilane, hydrochloric acid, isopropyl alcohol and sodium silicate	None known.	European Union (OEL)	None.

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Silver metal	0.1 mg/m ³ (TWA)	European Union (OEL)	None.
	0.1 mg/m ³ (TWA)	France (OEL)	None.
	0.1 mg/m ³ (inhalable) (TWA)	Germany (OEL)	(exposure factor 8)
	0.05 mg/m ³ (Fumes; dust) (TWA)	Poland (OEL)	None.
	0.1 mg/m ³ (TWA)	Spain (OEL)	None.
	0.1 mg/m ³ (TWA) 0.3 mg/m ³ (STEL)	The United Kingdom (The United Kingdom (WELs))	None.
Tetrachloroethylene	50 ppm (335 mg/m ³) (TWA)	France (OEL)	None.
	60 mg/m ³ (TWA) 480 mg/m ³ (STEL)	Poland (OEL)	None.
	25 ppm (172 mg/m ³) (TWA) 100 ppm (689 mg/m ³) (STEL)	Spain (OEL)	None.
	50 ppm (345 mg/m ³) (TWA) 100 ppm (689 mg/m ³) (STEL)	The United Kingdom (The United Kingdom (WELs))	None.
Toluene	50 ppm (192 mg/m ³) (TWA) 100 ppm (384 mg/m ³) (STEL)	European Union (OEL)	Possibility of significant uptake through the skin
	50 ppm (192 mg/m ³) (TWA) 100 ppm (384 mg/m ³) (STEL)	France (OEL)	Risk of cutaneous absorption
	50 ppm (190 mg/m ³) (exposure factor 4) (TWA)	Germany (OEL)	Skin notation
	100 mg/m ³ (TWA) 200 mg/m ³ (STEL)	Poland (OEL)	Skin notation
	50 ppm (192 mg/m ³) (TWA) 100 ppm (384 mg/m ³) (STEL)	Spain (OEL)	Skin - Potential for cutaneous absorption
	50 ppm (192 mg/m ³) (TWA) 100ppm (384 mg/m ³) (STEL)	The United Kingdom (The United Kingdom (WELs))	Potential for cutaneous absorption

Note: Formaldehyde is not intentionally added to this product. The above exposure limits are provided for safety reasons.

Exposure controls

Ventilation and engineering measures

- : Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection

- : In the case of vapour formation use a respirator with an approved filter. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Skin protection

- : Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

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- Eye / face protection** : Wear as appropriate: Safety glasses with side-shields conforming to EN166.
Other protective equipment : Solvent-resistant apron and boots. Ensure that eyewash stations and safety showers are close to the workstation location.

- General hygiene considerations** : Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- Appearance** : paste - blue
Odour : solvent
Odour threshold : No information available.
pH : No information available.
Flash point : 4.4°C (based on ingredients)
Flashpoint (Method) : No information available.
Lower flammable limit (% by vol.) : No information available.
Upper flammable limit (% by vol.) : No information available.
Flammability (solid, gas) : Not applicable.
Auto-ignition temperature : No information available.
Decomposition temperature : No information available.
Oxidizing properties : None known.
Explosive properties : Not expected to be sensitive to mechanical impact. May be sensitive to static discharge. Vapours in the flammable range may be ignited by a static discharge of sufficient energy.

Initial boiling point and boiling range

- : No information available.
Melting/Freezing point : No information available.
Relative density : No information available.
Solubility in water : insoluble
Other solubility(ies) : No information available.
Vapour pressure : No information available.
Vapour density : No information available.
Partition coefficient: n-octanol/water : No information available.
Viscosity : No information available.
Evaporation rate (BuAe = 1) : No information available.

Other Information

- Volatiles (% by weight)** : 16% (approx.)
Volatile organic Compounds (VOC's) : No information available.
Other physical/chemical comments : No additional information.

10. STABILITY AND REACTIVITY

- Reactivity** : Not normally reactive.

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- Chemical stability** : Stable under normal conditions.
- Possibility of hazardous reactions** : When heated above 150°C in air, may release formaldehyde gas.
- Conditions to avoid** : Direct sources of heat. Keep away from direct sunlight. Keep away from flames and sparks.
- Incompatible materials** : Oxidizing agents; Acids; Bases; Alcohols; Reactive metals.
- Hazardous decomposition products** : Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: formaldehyde; Carbon oxides; Hydrocarbons; Aldehydes; silicon oxides; Metal oxides; Phosgene; Chlorine; Hydrogen chloride gas; hydrogen cyanide ; Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on Toxicological effects:

- Acute toxicity** : According to the classification criteria of the European Union, this product is not considered as being an acutely toxic chemical. Based on available data, the classification criteria are not met.
- Skin corrosion/Irritation** : This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008. Classification:
Skin corrosion/irritation - Category 2. Causes skin irritation.
- Serious eye damage/irritation** : According to the classification criteria of the European Union, the product is not considered as being an eye irritant. Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation** : According to the classification criteria of the European Union, this product is not considered as being an allergic respiratory sensitiser. According to the classification criteria of the European Union, this product is not considered as being an allergic skin sensitiser.
- Germ cell mutagenicity** : Contains no ingredient listed as a mutagen.
- Carcinogenicity** : Not classifiable as a human carcinogen.
Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde has shown limited evidence of a carcinogenic effect.
- Reproductive toxicity** : This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008. Classification:
Reproductive toxicant - Category 2. H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.
Contains Toluene. Toluene may cause fetotoxic effects at doses which are not maternally toxic, based on animal data. Contains Octamethylcyclotetrasiloxane.
Octamethylcyclotetrasiloxane may cause adverse reproductive effects.
- STOT-single exposure** : This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008. Classification:
Specific target organ toxicity - single exposure - Category 3. May cause drowsiness and dizziness.
- STOT-repeated exposure** : This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008. Classification:
Specific target organ toxicity - repeated exposure - Category 2. May cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard** : This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008. Classification:
Aspiration toxicity - Category 1. May be fatal if swallowed and enters airways.
- Toxicological data** : No data is available on the product itself. See below for individual ingredient acute toxicity data.

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<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Aluminium	No information available.	No information available.	No information available.
Toluene	7585 ppm	5580 mg/kg	12,125 mg/kg
Siloxanes and Silicones, dimethyl, hydroxy-terminated, reaction products with chlorotrimethylsilane, hydrochloric acid, isopropyl alcohol and sodium silicate	No information available.	No information available.	No information available.
Silver metal	No information available.	> 2000 mg/kg	No information available.
Octamethylcyclotetrasiloxane	36,000 mg/m ³	> 2000 mg/kg	> 2400 mg/kg
Tetrachloroethylene	3786 ppm	2600 mg/kg	> 3245 mg/kg
The following ingredient may be released from the product only when heated above 150°C:			
Formaldehyde	287 ppm	800 mg/kg	300 mg/kg

Routes of exposure

: Eye contact; Skin contact; Skin Absorption; Inhalation; Ingestion.

Effects of acute exposure

: Inhalation: Vapours may cause drowsiness and dizziness. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Solvent abusers exposed to high doses of aromatic solvents show signs of hearing loss, and brain, liver, and kidney damage. May cause respiratory irritation. If product is heated, inhalation of fumes released from product may cause 'polymer fume fever', a flu-like illness. Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath. Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde causes severe respiratory irritation, lung inflammation and pulmonary edema.

Skin contact: May cause mild skin irritation. Can be absorbed through skin.

Eye contact: May cause mild eye irritation.

Ingestion: Harmful: may cause lung damage if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Potential Chronic Health Effects

: Prolonged skin contact may defat the skin and produce dermatitis. Silver in the form of a finely divided dust may cause discoloration in contact with skin, and argyrosis in case of inhalation.

Other important hazards

: Avoid heating, which will result in the liberation of formaldehyde gas. Formaldehyde may cause sensitisation by skin contact.

12. ECOLOGICAL INFORMATION

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Ecotoxicity : No data is available on the product itself. Should not be released into the environment. Contains: Toluene; Octamethylcyclotetrasiloxane; Tetrachloroethylene.
 The acute toxicity of toluene is (IUCLID):
 Toxicity to fish - LC50/96h/rainbow trout = 24 mg/L
 Toxicity to daphnia - EC50/48h/daphnia = 11.5 mg/L
 The acute toxicity of octamethylcyclotetrasiloxane is (IUCLID):
 Toxicity to fish - LC50/96h/Brachydanio rerio = > 500mg/L
 Toxicity to daphnia - EC50/24h/ Daphnia magna (Water flea) = 25.2 mg/L
 The acute toxicity of tetrachloroethylene is (IUCLID):
 Toxicity to fish - LC50/96h/rainbow trout = 4.99 mg/L
 Toxicity to daphnia - EC50/24h/Daphnia magna (Water flea) = 3.2 mg/L

Persistence and degradability

: The product itself has not been tested. This preparation contains substances considered to be very persistent and very bioaccumulating (vPvB). Contains: Octamethylcyclotetrasiloxane. Octamethylcyclotetrasiloxane has a half-life in water of 37.5 days (Canadian Environmental Protection Agency). Octamethylcyclotetrasiloxane has a half life in sediment of > 728 days (Canadian Environmental Protection Agency). The final vPvB assessment of Octmethylcyclotetrasiloxane within the European Union is currently being evaluated.

Bioaccumulation potential

: The product itself has not been tested. This preparation contains substances considered to be very persistent and very bioaccumulating (vPvB). Contains: Octamethylcyclotetrasiloxane. Octamethylcyclotetrasiloxane has a bioconcentration factor (BCF) in fish (fathead minnows) of 12,400 (IUCLID).

Mobility in soil

: The product itself has not been tested.

Results of PBT and vPvB assessment

: This preparation contains substances considered to be very persistent and very bioaccumulating (vPvB). Contains: Octamethylcyclotetrasiloxane.

Other Adverse Environmental effects

: None known.

Water contaminating class (Germany)

: 2 (self classified)

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:


Handling for Disposal

: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of Disposal

: Dispose of in accordance with the European Directives on waste and hazardous waste. Waste must be classified and labelled prior to recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
ADR/RID	UN1133	ADHESIVES	3	II	
EU ADR/RID Classification Code	F1 - Flammable liquids having a flash-point of or below 60 °C				



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EU ADR / RID Hazard Identification Number	33 - highly flammable liquid (flash-point below 23°C)				
ADR/RID Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5.0 L, in combination packagings no larger than 30 kg gross mass. May be shipped as a Limited Quantity when transported in containers no larger than 1.0 L, in shrink-wrapped or stretch-wrapped trays no larger than 20 kg gross mass.				
ICAO/IATA	UN1133	Adhesives	3	II	
ICAO/IATA Additional information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.				
IMDG	UN1133	ADHESIVES	3	II	
IMDG Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass.				

Special precautions for user : Keep away from heat and sources of ignition. Appropriate advice on safety must accompany the package.

Environmental hazards : Although this product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code, this product does contain substances toxic for the environment. See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not applicable.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

- : 1. Substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC.
- : 2. Classification according to European directive on classification of hazardous preparations 1999/45/EC.
- : 3. This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
- : 4. In accordance with the legislation of the United Kingdom.
- : 5. German legislation on water endangering substances VwVwS (see Section 12).

Chemical safety assessment : A chemical safety assessment has not been carried out by the Manufacturer of this product.

16. OTHER INFORMATION

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Legend : ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS: Chemical Abstract Services
EC: European Community
EEC: European Economic Community
EN: European Standard
EU: European Union
HSDB: Hazardous Substances Data Bank
IATA: International Air Transport Association
IBC: Intermediate Bulk Container
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Dangerous Goods
IUCLID: International Uniform Chemical Information Database
LC: Lethal Concentration
LD: Lethal Dose
OEL: National occupational exposure limits
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
RTECS: Registry of Toxic Effects of Chemical Substances
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
WEL: Workplace Exposure Limit

Information Source : 1. Material Safety Data Sheet from manufacturer.
2. Canadian Centre for Occupational Health and Safety, CCIInfoWeb Databases, 2011 (Chempendium, RTECs, HSDB, INCHEM).
3. European Chemicals Bureau, Existing Chemicals Work Area, EINECS Information System, 2011.
4. European Chemicals Agency, Classification Legislation, 2011.

Preparation Date (dd/mm/yyyy)

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H & R-Phrases (Full text) : H228 - Flammable solid
H261 - In contact with water releases flammable gases.
H301 - Toxic if swallowed.
H311 - Toxic in contact with skin.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H331 - Toxic if inhaled.
H351 - Suspected of causing cancer.
H361d - Suspected of damaging the unborn child.
H361f - Suspected of damaging fertility.
R15 - Contact with water liberates extremely flammable gases.
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
R34 - Causes burns.
R38 - Irritating to skin.
R40 - Limited evidence of a carcinogenic effect.
R43 - May cause sensitization by skin contact.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 - May cause long-term adverse effects in the aquatic environment.
Refer to section 2 for additional H and R phrases not listed here.

Other special considerations for handling

: Provide adequate information, instruction and training for operators.



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Electrically Conductive RTV Adhesive Part 1

Product code(s): 72-00236

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SAFETY DATA SHEET

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