

Material Safety Data Sheet

Product Name - SCH051

1. Product and Company Identification

Brand name: Opale Solution

Alternative subst:

Last updated: 04/02/2004 Data sheet last issued:

Approved use:
Rubber adhesive.

P/N. S6469-1 & 33780-67

Supplier:
Schrader S.A.
48 Rue de Salins
B.P. 29 Pontarlier
Cedex
France

Telephone:
Fax:
Emergency Tel:

Tél. +33 (0) 381 38 56 56
Fax +33 (0) 381 46 41 42

2. Composition/Information on Ingredients

Technical name:

Composition:

Vulkacit	CAS 108-91-8	0.36%
Rubber compounds		3.27%

Ingredient	Composition (%)	Maximum Exposure Limits	Occupational Exposure Standards
Trichloroethylene CAS No - 79-01-6	96.37	15 min - 150.00 ppm 15 min - 820.00 mg/m ³ 8 hour - 100.00 ppm 8 hour - 550.00 mg/m ³	

3. Hazards Identification



Dangerous for Environment

Hazard category:

Means of entering the body:-



Harmful

Inhalation: Yes

Skin/eye: Yes

Swallowed: Yes

Injected: No

Exposure risk:

Main constituent - Trichloroethylene - may cause cancer. Harmful by inhalation. Irritating to eyes, respiratory system and skin. Harmful to fish. Harmful to daphnia.

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4. First-Aid Measures

EYES: Wash immediately, abundantly and thoroughly with water. If irritation persists consult ophthalmologist.
SKIN: Wash immediately, abundantly and thoroughly with water.
INHALATION: Remove to fresh air. Oxygen or artificial respiration if needed. Consult doctor.
INGESTION: If subject is unconscious. Do NOT induce vomiting. **SEEK MEDICAL ADVICE URGENTLY.**

Medical note: Do not give catecholamines (because of cardiac effect)

5. Fire-Fighting Measures

Fire risk:

Thermal decomposition giving toxic and corrosive products: Hydrogen gas, Phosgene, Oxides of carbon.

Fire fighting procedures:

Cool containers/tanks with water spray. Remove all sources of ignition. Wear self contained breathing apparatus and full body protection.

Extinguishing media: CO2, Dry powder

6. Accidental Release Measures

Wear personal protective equipment. Prohibit all sources of sparks and ignition - Do not smoke. avoid contact with skin & eyes and inhalation of vapours.

Environmental protection: Do not release into the environment. Do not let product enter drains, contain by damming.

Clean up: Pump into an inert labelled emergency container or absorb with an inert absorbent material (sawdust)

Disposal: Dispose of via a licenced disposal site.

7. Handling and Storage

Handling: Ensure appropriate exhaust and ventilation at work station. Provide self contained breathing apparatus if exposure levels cannot be controlled by other means. Prohibit ignition sources and contact with hot surfaces - **DO NOT SMOKE**

Storage: Keep container tightly closed. Keep in a well ventilated place. Store in original container. Store protected from moisture and heat.

Container: Original

8. Exposure Controls/Personal Protection

INHALATION: Ensure sufficient air exchange and/or exhaust in work areas. In case of insufficient ventilation wear suitable respiratory equipment.

HAND: Solvent resistant gloves.

EYES: Safety glasses/goggles

SKIN & BODY: Protective clothing.

Specific hygiene measures: **DO NOT SMOKE**



CHEMICAL RESISTANT GLOVES

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PROTECTIVE GOGGLES

9. Physical and Chemical Properties

Appearance & odour: Viscous liquid with a strong odour.

Boiling point (°C): Trike 87

Melting point (°C): Trike -73

Solubility: 1.1g/kg

Other physical properties:

10. Stability and Reactivity

Conditions to Avoid: Thermal decomposition at high temperature. Product is sensitive to light and moisture (formation of Hydrogen chloride gas)

Materials to Avoid: Acids & Bases, Oxygen, Oxidising agents, Finely divided metals (Aluminium, Magnesium, Zinc)

Hazardous Decomposition Products:

Thermal decomposition products may include Hydrogen chloride gas, Phosgene and carbon oxides

11. Toxicological Information

INHALATION: According to its composition, risk of: Headache, sleepiness, nausea. Difficulty in breathing, Hepato-renal (liver & kidney) damage. Confined space: Risk of hypoxia. As with other volatile aliphatic halogenated compounds, through vapour accumulation and/or inhalation of large quantities, the product can cause: Loss of consciousness and cardiac disorders aggravated by stress and lack of oxygen. In animals:
LC50/inhalation/4h/rat=12500ppm(67mg/l)

INGESTION: In animals: slightly harmful by ingestion: LD50/oral/rat = 4900-7200mg/kg

SKIN: According to its composition: Skin penetration possible in animals: LD50/dermal/rabbit >2900mg/kg

Local effects- Inhalation: According to its composition: At high vapour/fog concentrations: possible irritation of the respiratory system.

Skin contact: Direct contact with liquid: prolonged or repeated exposure may cause skin irritation, and dermatitis due to degreasing properties of the product.

Eye contact: Risk of eye irritation. In animals (rabbit) lightly irritating to eyes.

Slight carcinogenic effects in animals (Rat/Mouse). the results are considered not easily extrapolated to man.

12. Ecological Information

Product evaporates rapidly. Not hydrolysable. Not readily biodegradable. Slightly bioaccumulable, not biomagnifiable in food chain. Harmful to fish and daphnia.

13. Disposal Considerations

Constitutes a special waste. Do not discharge into public sewers or drains. Dispose of in accordance with local/national regulations. Licensed waste contractor to dispose of any waste. Do not re-use container.