



SAFETY DATA SHEET

1. Identification

Product identifier	SPECTA
Recommended use	Glass coating
Recommended restrictions	None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name	DTAIL LAB inc.
Address	300 Saint-Francois-Xavier. Local 207 Delson, Qc, J5B 1Y1 Canada
Telephone	514-290-6309
Website	http://www.dtailab.com
E-mail	info@dtailab.com

2. Hazard identification

Physical hazards	Not classified.	
Health hazards	Aspiration hazard	Category 1
	Skin corrosion/irritation	Category 1
	Eye damage/irritation	Category 1
	Acute toxicity (inhalation)	Category 4
	Reproductive toxicity	Category 2
	Specific target organ toxicity	Category 2

Environmental hazards	Not classified.
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Label elements



Signal word	Danger
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Hazard statements	May be fatal if swallowed and enters airways. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled. May cause damage to organs. Suspected of damaging fertility or the unborn child.
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Precautionary statement

Prevention	Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke while handling this product. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves. Contaminated work clothes should not leave the workplace.
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Response	IF SWALLOWED: Do not induce vomiting. Call a Poison control centre and/or get medical advice/attention immediately. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.
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Storage	Store away from incompatible materials. Store locked up.
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Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
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Other hazards	None known
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3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Naphtha, petroleum, hydrotreated heavy		64742-48-9	15 - 40%
Tetraethyl orthosilicate		78-10-4	10 - 30%
octamethylcyclotetrasiloxane		556-67-2	1 - 10%
3-Glycidoxypropyltrimethoxysilane		2530-83-8	1 - 10%

The actual concentration is withheld as a trade secret.

4. First-aid measures

Inhalation Skin contact

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Seek medical advice.

Skin contact

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion

Do NOT induce vomiting. Get medical attention immediately. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

May be fatal if swallowed and enters airways. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled. Suspected of damaging fertility or the unborn child. May cause damage to organs.

Indication of immediate medical attention and special treatment needed

If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility and give them this SDS sheet: Fever greater than 101° F (38.3° C), shortness of breath, chest congestion or continued coughing or wheezing.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Prevent entry into waterways, sewer, basements or confined areas.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Avoid breathing vapors or contact with material. Only use in well ventilated areas. Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks. Avoid contact with skin, eyes and clothing. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. If positive displacement pumps are used, these must be fitted with a non-integral pressure relief valve. Do not cut, drill, grind, weld or perform similar operations on or near containers. Wash thoroughly after handling. Do not eat, drink or smoke while using this product. Use good personal hygiene practices and wear appropriate protective equipment (see section 8).
Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store in a cool dry place. Avoid prolonged sun exposure. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Recommendations listed in this section indicate the type of equipment, which will provide protection against overexposure to this product. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace.

Occupational exposure limits	No exposure limits noted for ingredient(s). Consult provincial or territorial exposure values, as may apply.
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

The following are recommendations only for the use of PPE. These recommendations cannot anticipate the variety of workplaces where the product will be used, nor how the product will be used in a variety of applications and processes. In determining appropriate PPE and engineering controls, it is the duty of the employer / user to evaluate their use of this product in accordance with the requirements of the local jurisdiction, and, if necessary, in conjunction with a professional industrial hygienist.

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties**Appearance**

Physical state Liquid.

Form Liquid.

Colour colorless

Odour hydrocarbon

Odour threshold Not available.

pH Not available

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit – upper (%)

Vapour pressure Not available.

Vapour density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Density Not available.

Explosive properties Not explosive.

Flammability class Not available.

Oxidising properties Not oxidising.

Percent volatile Not available.

Specific gravity Not available.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid high temperatures. Contact with incompatible materials.

Incompatible materials Strong oxidising agents.

Hazardous decomposition products Carbon monoxide, Carbon dioxide, irritating and toxic gases.

11. Toxicological information

Information on likely routes of exposure

Inhalation Expected to be a route of exposure.

Skin contact Expected to be a route of exposure.

Eye contact Expected to be a route of exposure.

Ingestion Expected to be a route of exposure.

Symptoms related to the physical, chemical and toxicological characteristics May be fatal if swallowed and enters airways. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled. Suspected of damaging fertility or the unborn child. May cause damage to organs.

Information on toxicological effects

Acute toxicity Harmful if inhaled.

Product/ingredient name	Test	Species	Dose
Naphtha, petroleum, hydrotreated heavy	LD50 Oral	Rat	>6000 mg/kg
	LD50 Dermal	Rabbit	>3160 mg/kg
	LC50 Inhalation	Rat	>8500 mg/m ³ 4 h (aerosol)
Tetraethyl orthosilicate	LD50 Oral	Rat	1490 mg/kg
	LD50 Dermal	Rabbit	4.29 ml/kg
	LC50 Inhalation	Rat	>145 mg/m ³ (vapor)
octamethylcyclotetrasiloxane	LD50 Oral	Rat	1490 mg/kg
	LD50 Dermal	Rabbit	4.29 ml/kg
	LC50 Inhalation	Rat	>145 mg/m ³ (vapor)
3-Glycidoxypropyltrimethoxysilane	LD50 Oral	Rat	No data available
	LD50 Dermal	Rabbit	No data available
	LC50 Inhalation	Rat	No data available

Skin corrosion/irritation Causes severe skin burns.

Serious eye damage/eye irritation Causes severe eye damage.

Respiratory or skin sensitisation

Respiratory sensitisation Due to partial or complete lack of data the classification is not possible.

Skin sensitisation Due to partial or complete lack of data the classification is not possible.

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

Carcinogenicity Due to partial or complete lack of data the classification is not possible.

Reproductive toxicity	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity - single exposure	May cause damage to organs.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

12. Ecological information

Ecotoxicity	Harmful to aquatic organisms, causes long-term adverse effects.
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Substance name	Toxicity to fish / other aquatic invertebrates
Naphtha, petroleum, hydrotreated heavy	Fish - LC50 Pimephales promelas 2200 mg/L - 96 h
Tetraethyl orthosilicate	No data available
octamethylcyclotetrasiloxane	Fish - LC50 Brachydanio rerio > 934 mg/L - 96 h
	Invertebrates - EC50 Daphnia magna 331 mg/l - 48 h
	Algae – EC50 Scenedesmus subspicatus > 1000 mg/l - 96h
3-Glycidoxypropytrimethoxysilane	No data available

Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	Harmful to aquatic life with long lasting effects.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

Transportation information on packaging may be different from that listed.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.
General information	Not regulated as dangerous goods.
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15. Regulatory information

Canadian regulations	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

16. Other information

Issue date	10-August-2025
Revision date	N/A
Version No.	01
Disclaimer	While DTAIL LAB believes the information contained herein to be accurate, DTAIL LAB makes no representation or warranty, express or implied, regarding, and assumes no liability for, the accuracy or completeness of the information. The Buyer assumes all responsibility for handling, using and/or reselling the Product in accordance with applicable federal, state, and local law. This SDS shall not in any way limit or preclude the operation and effect of any of the provisions of DTAIL LAB 's terms and conditions of sale