

TOSSEAL168 WHITE

SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product name: TOSSEAL168 WHITE

Recommended use: Industrial use

Limitations on use: None known.

Manufacturer/Importer/Distributor Information : Momentive Performance Materials (Thailand) Limited
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Responsible Department : Product Stewardship & Compliance

2 HAZARDS IDENTIFICATION

GHS classification:

Health Hazards:

Skin sensitizer

Category 1

GHS label elements:

Symbol(s):



Signal Word: Warning

Hazard Statement(s): May cause an allergic skin reaction.

Precautionary Statements Prevention:

Avoid breathing dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/eye protection/face protection.

Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instructions on this label). Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Disposal: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

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Other hazards which do not result in classification:

Primary hazards: No data available.

Specific hazards: No data available.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance or Preparation:

Mixtures

Hazardous ingredients:

Chemical Identity	CAS number	Concentration*
Methyl oxime silane	Trade secret	<10%
Aminoethyl aminopropyl trimethoxy silane	1760-24-3	<10%
butanone oxime vinylsilane	2224-33-1	<10%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Trade secret information:

** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4 FIRST AID MEASURES

General: Get medical attention if symptoms occur.

Inhalation: Move into fresh air and keep at rest. Get medical attention if symptoms occur.

Eye contact: Get medical attention if symptoms occur. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Skin Contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

Ingestion DO NOT induce vomiting. Get medical attention immediately. Do not give victim anything to drink if he is unconscious. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Likely Acute or Delayed Symptoms/Effects Treatment is symptomatic and supportive.

Notes to the physician: There is no specific antidote. Treatment is symptomatic and supportive.

5 FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam. Carbon dioxide Dry chemical.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

Specific hazard arising from the chemical: In case of fire, carbon monoxide and carbon dioxide may be formed.

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Special fire-fighting procedures: Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to keep fire-exposed containers cool.

Special protective action for fire fighters: Wear self-contained breathing apparatus and protective clothing.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective equipment. Use only in well-ventilated areas.

Environmental Precautions: Do not allow runoff to sewer, waterway or ground.

Methods and material for containment and cleaning up: Absorb spillage with suitable absorbent material. Shovel up and place in a container for salvage or disposal.

Notification Procedures: Remove sources of ignition. In case of spills, beware of slippery floors and surfaces. See Section 8 of the SDS for Personal Protective Equipment. Collect and dispose of spillage as indicated in section 13 of the SDS. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the National Rivers Authority or other appropriate regulatory body.

7 HANDLING AND STORAGE

Precautions for safe handling: Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Wash hands after handling. Provide adequate ventilation. Avoid inhalation of dust and vapors.

Condition for safe storage, including any incompatibilities: Store in a dark, cool place indoors with container tightly closed. Avoid any source of heat, direct sunlight and strong light. Store in original container. Keep away from sources of ignition - No smoking.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriated engineering control measures: General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.

Occupational Exposure Limits: None known.

Personal protective equipment (ppe)
Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Eye Protection: Safety glasses with side shields

Hand Protection: Chemical resistant gloves

Skin Protection: Wear suitable protective clothing and eye/face protection.

Hygiene measures: Observe good industrial hygiene practices. Wash hands after handling. When using do not eat, drink or smoke. Provide adequate ventilation.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

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Physical state:	liquid
Form:	Paste
Color:	White
Odor:	Faint
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	No data available.
Boiling Point:	> 250 °C
Flash Point:	>= 70 °C estimated
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Relative vapor density:	No data available.
Density:	1.07 g/cm ³ (23 °C)
Relative density:	1.07 (23 °C)
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Autoignition Temperature:	450 °C
Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

10 STABILITY AND REACTIVITY

Incompatible Materials:	Water.
Chemical Stability:	No data available.
Conditions to avoid:	Heat. Moisture.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

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Information on toxicological effects

Acute toxicity

Oral

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Methyl oxime silane No data available.
Aminoethyl aminopropyl LD 50 (Rat): 2,995 mg/kg (OPPTS 870.1100)
trimethoxy silane
butanone oxime vinylsilane No data available.

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Methyl oxime silane No data available.
Aminoethyl aminopropyl LD 50 (Rabbit): > 2,000 mg/kg
trimethoxy silane
butanone oxime vinylsilane No data available.

Inhalation

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Methyl oxime silane No data available.
Aminoethyl aminopropyl No data available.
trimethoxy silane
butanone oxime vinylsilane No data available.

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Methyl oxime silane No data available.
Aminoethyl aminopropyl NOAEL (Rat, Oral, 28 d): >= 500 mg/kg
trimethoxy silane
butanone oxime vinylsilane No data available.

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)

Methyl oxime silane Corrosive
Aminoethyl aminopropyl OECD Test Guideline 404 (Rabbit): No skin irritation
trimethoxy silane
butanone oxime vinylsilane Corrosive

Serious Eye Damage/Eye

Irritation:

Product: No data available.

Specified substance(s)

Methyl oxime silane Irritating to eyes.
Aminoethyl aminopropyl OECD Test Guideline 405 (Rabbit): Strongly irritating.
trimethoxy silane
butanone oxime vinylsilane Risk of serious damage to eyes.

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)

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Methyl oxime silane	Sensitisation, skin: May cause sensitization.
Aminoethyl aminopropyl trimethoxy silane	, OECD Guideline 429 (LLNA) (Guinea Pig) positive
butanone oxime vinylsilane	Sensitisation, skin: May cause sensitization.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	No data available.
butanone oxime vinylsilane	No data available.

In vivo

Product: No data available.

Specified substance(s)

methyl tris-(methyl ethyl ketoximo) silane	No data available.
Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	No data available.
butanone oxime vinylsilane	No data available.
butanone oxime vinylsilane	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	No data available.
butanone oxime vinylsilane	No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	No data available.
butanone oxime vinylsilane	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	No data available.
butanone oxime vinylsilane	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	No data available.
butanone oxime vinylsilane	No data available.

Aspiration Hazard

Product: No data available.

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Specified substance(s)

Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	No data available.
butanone oxime vinylsilane	No data available.

Metabolism: No data available.

Other effects: No data available.

12 ECOLOGICAL INFORMATION

General information: Not applicable

Ecotoxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s):

Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	LC50 (Lepomis macrochirus): > 100 mg/l
butanone oxime vinylsilane	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	EC50 (Daphnia magna, 48 h): 87.4 mg/l
butanone oxime vinylsilane	No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s):

Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	No data available.
butanone oxime vinylsilane	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	No data available.
butanone oxime vinylsilane	No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s):

Methyl oxime silane	No data available.
Aminoethyl aminopropyl trimethoxy silane	EC50 (Algae (Pseudokirchneriella subcapitata), 96 h): 8.8 mg/l
butanone oxime vinylsilane	NOEC (Algae (Pseudokirchneriella subcapitata)): 3.1 mg/l
	No data available.

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Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

Methyl oxime silane No data available.
Aminoethyl aminopropyl No data available.
trimethoxy silane
butanone oxime vinylsilane No data available.

BOD/COD Ratio

Product: No data available.

Specified substance(s):

Methyl oxime silane No data available.
Aminoethyl aminopropyl No data available.
trimethoxy silane
butanone oxime vinylsilane No data available.

Bioaccumulative potential

Product: No data available.

Specified substance(s):

Methyl oxime silane No data available.
Aminoethyl aminopropyl No data available.
trimethoxy silane
butanone oxime vinylsilane No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Methyl oxime silane No data available.
Aminoethyl aminopropyl No data available.
trimethoxy silane
butanone oxime vinylsilane No data available.

Results of PBT and vPvB assessment: No data available.

Methyl oxime silane No data available.
Aminoethyl aminopropyl No data available.
trimethoxy silane
butanone oxime vinylsilane No data available.

Other adverse effects: No data available.

13 Disposal considerations

General information: Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

Disposal methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

The generation of waste should be avoided or minimized wherever possible. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

14 TRANSPORT INFORMATION

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IMDG - International Maritime Dangerous Goods Code

Not regulated.

IATA

Not regulated.

Special precautions for user:

This product is Combustible as defined by the US Department of Transportation (DOT). It is regulated for transport in the US in container > 119 gallons. The product is not regulated for transport by the IATA, ADR/RID, ADNR or the IMDG regulations.

15 REGULATORY INFORMATION

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

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.

Fire Safety (Petroleum and Flammable Materials) Regulations

Not applicable

Applicable regulations:

No known specific national and/or regional regulations applicable to this product (including its ingredients)

16 OTHER INFORMATION

Inventory Status

Australia Industrial Chem. Act (AICC):	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	Not in compliance with the inventory.	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	Not in compliance with the inventory.	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	Not in compliance with the inventory.	Remarks: None.

Revision Information: ARGLO_INVSTSARGHS_SG

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Disclaimer:

Notice to reader

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (> 30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives.

Further Information

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