

SS4155

SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

GHS Product identifier: SS4155

Recommended use of the chemical and restrictions on use

Recommended use: Primer

Recommended restrictions: Not known.

Supplier's details

Manufacturer : Momentive Performance Materials GmbH
Chempark Leverkusen Gebaeude V7
DE - 51368 Leverkusen
Germany

Distributor Information : DC Products Pty Limited
Unit 117 45 Gilby Road
Mount Waverley 3149 Australia

Contact person : Viren Kumar

Telephone : +61 3 95588898

**Emergency telephone number
Supplier** : 61 418 529 118

2. Hazard(s) identification

GHS classification of substance or mixture, and national or regional information:

Physical Hazards

Flammable liquids Category 3

Health Hazards

Serious Eye Damage/Eye Irritation Category 1
Germ Cell Mutagenicity Category 1B
Carcinogenicity Category 1B
Specific Target Organ Toxicity -
Single Exposure Category 3
Specific Target Organ Toxicity -
Repeated Exposure Category 1

Environmental Hazards

Chronic hazards to the aquatic
environment Category 3

GHS label elements

Hazard symbol(s):

SS4155



Signal Word:	Danger
Hazard Statement(s):	Flammable liquid and vapor. Causes serious eye damage. May cause genetic defects. May cause cancer. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.
Precautionary statement(s):	
Prevention:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Immediately call a POISON CENTER/doctor. In case of fire, use sand, dry chemical or alcohol-resistant foam.
Storage:	Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None.

3. Composition/information on ingredients

Chemical nature: Primer solution.

SS4155

Mixtures

Chemical Identity	CAS number	Concentration*
STODDARD SOLVENT	8052-41-3	>60%
Tetraethyl Silicate	78-10-4	10 - 30%
1-butanol, titanium(4+)salt	5593-70-4	1 - 10%
1,2,4-TRIMETHYLBENZENE	95-63-6	1 - 10%
Silicic acid, ethyl ester	11099-06-2	1 - 10%

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

4. First-aid measures

General information: For advice, contact a Poisons information Centre (Phone eg Australia 131 126; New Zealand 03 4747 000) or a doctor (at once).

Description of necessary first-aid measures

Inhalation: Move the exposed person to fresh air at once. Remove from contaminated area. Apply artificial respiration if not breathing. Call a physician or poison control center immediately. For breathing difficulties, oxygen may be necessary.

Skin Contact: Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if symptoms persist. Wash contaminated clothing before reuse.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist.

Ingestion: Immediately give a glass of water.

Symptoms caused by exposure

Symptoms: No data available.

Hazards: No data available.

Medical attention and special treatment

Treatment: Not relevant.

5. Fire-fighting measures

Means of fire extinguishing

Suitable extinguishing media: No data available.

SS4155

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical: Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger. Ground container and transfer equipment to eliminate static electric sparks.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: No data available.

Hazchem Code: No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: No data available.

Environmental Precautions: Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling: Sensitivity to static discharge is expected; material has a flash point below 200 F. Do not breathe vapor/spray. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. See Section 8 of the SDS for Personal Protective Equipment. Wash hands after handling. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures.

Conditions for safe storage, including any incompatibilities: No data available.

SS4155

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
STODDARD SOLVENT	TWA	790 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
Tetraethyl Silicate	TWA	10 ppm 85 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
1,2,4-TRIMETHYLBENZENE	TWA	25 ppm 123 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

Biological Limit Values

None of the components have assigned exposure limits.

Appropriate Engineering Controls:

Provide eyewash station and safety shower. General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment. Provide adequate ventilation if fumes or vapors are generated.

Individual protection measures, such as personal protective equipment

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

Eye/face protection: No data available.

Skin Protection

Hand Protection: Protective gloves made of : Neoprene Nitrile rubber. Polyvinyl chloride (PVC).

Other: Wear suitable protective clothing and eye/face protection.

Respiratory Protection: No data available.

Hygiene measures: No data available.

9. Physical and chemical properties

Appearance

Physical state: liquid

Form: liquid

Color: Blue

Odor: Faint

SS4155

Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	-60 °C
Initial boiling point and boiling range:	> 98 °C (1.013 hPa)
Flash Point:	36,60 °C (Closed Cup)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	6,00 %(V)
Flammability limit - lower (%):	1,00 %(V)
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	111 hPa (55 °C)
Vapor density:	No data available.
Density:	ca. 0,81 g/cm ³ (20 °C) (DIN 51757)
Relative density:	0,81
Solubility(ies)	
Solubility in water:	Negligible
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition temperature:	245,00 °C
Decomposition temperature:	No decomposition if stored and applied as directed.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
Specific gravity:	No data available.
Other information	
Minimum ignition temperature:	ca. 245 °C

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerisation does not occur.
Conditions to avoid:	Oxidizing agents.
Incompatible Materials:	Oxidizing agents.
Hazardous Decomposition Products:	Carbon dioxide Silicon dioxide. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

SS4155

11. Toxicological information

Information on likely routes of exposure

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

Symptoms related to the physical, chemical and toxicological characteristics

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

Information on toxicological effects

Acute toxicity

Oral

Product: ATEmix 24.693,8 mg/kg

Specified substance(s):

Tetraethyl Silicate LD 50 (Rat, No data available.): 6.270 mg/kg (No data available.)

Dermal

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

Inhalation

Product: ATEmix (4 h): 41,83 mg/l Vapour
ATEmix (4 h): 5,7 mg/l Dusts, mists and fumes

Repeated dose toxicity

Product: No data available.

Skin irritation and corrosion

Product: No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

SS4155

Product: No data available.

Notifiable Carcinogenic Substances

No carcinogenic components identified

Prohibited Carcinogenic Substances

No carcinogenic components identified

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

ACGIH Carcinogen List:

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity

Acute hazards to the aquatic environment

Fish

Product: No data available.

Specified substance(s):

Tetraethyl Silicate LC100 (No data available., 24 h): 9.000 mg/l
LC50 (Brachydanio rerio, 96 h): > 245 mg/l

Aquatic Invertebrates

SS4155

Product: No data available.

Specified substance(s):
Tetraethyl Silicate EC50 (Blue Crab): 7.800 mg/l

Chronic hazards to the aquatic environment

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):
Tetraethyl Silicate 98 % (28 d, OECD-Guideline 301 A (DOC Die-Away Test)) Readily biodegradable

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

STODDARD SOLVENT No data available.

Tetraethyl Silicate No data available.

1-butanol, titanium(4+)salt No data available.

1,2,4- No data available.

TRIMETHYLBENZENE

Silicic acid, ethyl ester No data available.

SS4155

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

Disposal instructions: In accordance with local and national regulations.

Contaminated Packaging: No data available.

14. Transport information

National Regulations

ADG

UN Number:	UN 1993
UN Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S.
Transport Hazard Class(es)	
Class:	3
Label(s):	3
Packing Group:	III
Environmental Hazards	
Marine Pollutant:	No

International regulations

IATA

UN Number:	UN 1993
Proper Shipping Name:	Flammable liquid, n.o.s.(SOLVENT NAPHTHA, TETRAETHYL SILICATE)
Transport Hazard Class(es):	
Class:	3
Label(s):	3
Packing Group:	III
Cargo aircraft only Packing	366
Instructions:	
Passenger and cargo aircraft	366
Packing Instructions:	
Limited quantity:	10,00L
Packing Instructions:	Y344
Excepted quantity	E1
Environmental Hazards:	Not regulated.
Marine Pollutant:	No

SS4155

IMDG

UN Number:	UN 1993
UN Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S.(SOLVENT NAPHTHA, TETRAETHYL SILICATE)
Transport Hazard Class(es)	
Class:	3
Label(s):	3
EmS No.:	F-E, S-E
Packing Group:	III
Environmental Hazards	
Marine Pollutant:	No
Limited quantity	5,00L
Excepted quantity	E1

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

not applicable

Special precautions for user: Combustible strongly smelling Keep away from food, drink and animal feeding stuffs.

15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poisons Schedule Number

AU SUSMP 2	Poisons schedule number not allocated
AU SUSMP 3	Poisons schedule number not allocated
AU SUSMP 4	Poisons schedule number not allocated
AU SUSMP 5	Poisons schedule number not allocated
AU SUSMP 6	Poisons schedule number not allocated
AU SUSMP 7	Poisons schedule number not allocated
AU SUSMP 8	Poisons schedule number not allocated
AU SUSMP 9	Poisons schedule number not allocated
AU SUSMP A	Poisons schedule number not allocated

SS4155

AU SUSMP B		Poisons schedule number not allocated
AU SUSMP C		Poisons schedule number not allocated
AU SUSMP D		Poisons schedule number not allocated
AU SUSMP E		Poisons schedule number not allocated
AU SUSMP F		Poisons schedule number not allocated
AU SUSMP G		Poisons schedule number not allocated
AU SUSMP H		Poisons schedule number not allocated
AU SUSMP I		Poisons schedule number not allocated
AU SUSMP J		Poisons schedule number not allocated
AU SUSMP K		Poisons schedule number not allocated
AUSUSMPDS	STODDARD SOLVENT1,2,4- TRIMETHYLBENZENE	Listed

Notifiable Carcinogenic Substances
 Not Regulated

Prohibited Carcinogenic Substances
 Not Regulated

National Pollutant Inventory (NPI) substance reporting list
 Not Regulated

Prohibited Substances (National Model Regulations for the Control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994))
 Not Regulated

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)
 Not Regulated

Importation of Ozone Depleting Substances (Customs (Prohibited Imports) Regulations 1956, Schedule 10)
 Not Regulated

High Volume Industrial Chemicals (HVIC)

SS4155

Not Regulated

International regulations

Montreal protocol
 not applicable

Stockholm convention
 not applicable

Rotterdam convention
 not applicable

Kyoto protocol
 not applicable

Inventory Status:

Australia AICS:	y (positive listing)	Remarks: None.
EU EINECS List:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	y (positive listing)	Remarks: None.
China Inventory of Existing Chemical Substances:	y (positive listing)	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	y (positive listing)	Remarks: None.
Canada DSL Inventory List:	y (positive listing)	Remarks: None.
Canada NDSL Inventory:	n (Negative listing)	Remarks: None.
Philippines PICCS:	y (positive listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: None.
Taiwan. Taiwan inventory (CSNN):	y (positive listing)	Remarks: None.

16. Other Information

Issue Date:	28.04.2017
Revision Date:	No data available.
Version #:	1.0
Further Information:	No data available.
Key abbreviations or acronyms used:	Flammable liquid and vapor. Causes serious eye damage. May cause genetic defects. May cause cancer. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.
References:	No data available.

SS4155

Disclaimer:

Notice to reader

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

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.

®, *, and TM indicate trademarks owned by or licensed to Momentive.