55 W.L. Runnels Industrial Drive; Hattiesburg, MS 39401

SAFETY DATA SHEET

1. Identification

Product Name	Norbornenylethyl dimethylchlorosilane
Product Number	NB1017
Synonyms	[(5-Bicyclo[2.2.1]hept-2-enyl)ethyl]dimethylchlorosilane
CAS Number	120543-78-4
Product Use	Various
Supplier	Hybrid Plastics, Inc. 55 Runnels Dr. Hattiesburg, MS 39401 US
Telephone	+1.601.544.3466
Fax	+1.601.545.3103
Email	info@hybridplastics.com
Emergency Telephone	US & Canada: 1.800.255.3924 International: +01.813.248.0585

2. Hazards Identification

GHS Classification

Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1

GHS Label elements

Pictogram(s)

Signal Word
Danger

Hazard and PrecautionaryStatement(s)
H314 Causes severe burns and eye damage
H318 Causes serious eye damage
P280 Wear protective gloves/protective clothing/eye protection/face protection
P260 Do not breathe vapors
P264 Wash hands thoroughly after handling
P301+P330+P331 If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P353 If on skin (or hair): take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 Immediately call a doctor
P321 Specific treatment (see first aid instructions on this label)
P363 Wash contaminated clothing before reuse
P405 Store locked up
P501 Dispose of contents/container to licensed waste disposal facility

Hazards not otherwise classified (HNOC)
Hydrogen chloride may be formed by reaction with water and moisture in air. The US OSHA PEL (TWA) for hydrogen chloride is 5 ppm)

3. Composition/Information on Ingredients

Chemical Identity	CAS#	EC#	Conc.
[(5-Bicyclo[2.2.1]hept-2-enyl)ethyl]dimethylchlorosilane	120543-78-4	NA	100 %

4. First Aid Measures

Inhalation
Remove to fresh air. If breathing becomes difficult, seek immediate medical attention.

Skin Contact
Wash off with soap and water. Get immediate medical attention.

Eye Contact
Immediately flush eyes with plenty of water for a minimum of 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get immediate medical attention.

Ingestion
If swallowed, do not induce vomiting. Wash out mouth with water if person is conscious.

5. Fire Fighting Measures

Suitable extinguishing media
Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special protective equipment and precaution for fire fighters
Fire fighters exposed to vapors should wear a self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards
None

Combustion Products
Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon, silicon and nitrogen.

6. Accidental Release Measures

Personal precautions
Exercise appropriate precautions to minimize direct contact with skin or eyes.

Environmental precautions
Do not let product enter drains.

Methods for cleaning up
Use suitable absorbent, sweep up, place in bag and hold for disposal. Ventilate area and wash spill site after material pick up is complete.

7. Handling and Storage

Handling precaution
Handle in a fume hood or in properly ventilated area. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage precaution
Ambient temperatures in tightly closed containers.

8. Exposure Controls/Personal Protection

Respiratory protection
Use a respirator and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Wear protective gloves. Wash thoroughly after handling.

Eye protection
Wear chemical safety goggles or a face shield

Skin and body protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Use common industrial hygiene practices.

9. Physical and Chemical Properties

Appearance	Clear liquid
Color	Light yellow
Odor	Acrid
Odor threshold	No data available
pH	No data available
Melting/freezing point	< 0 °C
Initial boiling point and range	231-232 °C
Flash point	104 °C
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability explosive limits	No data available
Vapor pressure	No data available
Relative vapor density at 20 °C	1
Relative density	0.99
Solubility(ies)	Reacts with water
Partition coefficient (n-octanol/water)	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

10. Stability and Reactivity

Chemical stability
Stable under recommended storage conditions

Conditions/materials to avoid
Reacts with water and moisture in air, liberating hydrogen chloride

Hazardous decomposition products
Hydrogen chloride

11. Toxicological Information

Acute toxicity
Not classified

Skin corrosion/irritation
Causes severe skin burns and eye damage

Serious eye damage/eye irritation
Causes serious eye damage

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
No data available

Specific target organ toxicity – single exposure
No data available

Specific target organ toxicity – repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
To the best of our knowledge the toxicological properties have not been thoroughly investigated.

12. Ecological Information

Toxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

PBT and vPvB assessment
No data available

Other adverse effects
No data available

13. Disposal Considerations

Product
Contact a licensed waste disposal service to dispose of this material.

Contaminated packaging
Dispose of as unused product in accordance with applicable regulations. Contact a licensed waste disposal service.

14. Transport Information

Classification for road and rail transport (ADR/RID)
UN Number: UN2987
Proper shipping name: Chlorosilanes, corrosive, n.o.s. ([(5-bicyclo[2.2.1]Hept-2-enyl)ethyl]dimethylchlorosilane)
Class (DOT): 8 Corrosive
Packing group: II
Hazard labels (DOT): 8 Corrosive

Classification for air transport (IATA/ICAO)
Transport by passenger aircraft (49 CFR 173.27): Forbidden
Cargo aircraft only (49 CFR 175.75). Quantity limitation: 30 Liters

15. Regulatory Information

U.S. Federal Regulations	This product is not currently regulated by SARA/EPCRA
TSCA	Not listed
REACH (EU)	Not registered

16. Other Information

Date prepared: 02.27.2018
Reviewed by: Director of Commercial Products

The information and recommendations contained in this Safety Data Sheet are from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the SDS was prepared. While the above information is believed to be accurate, no warranty, guaranty, or representation is made as to the correctness or sufficiency of the information and the information is intended only as a guide. Hybrid Plastics shall not be held liable for any damage resulting from handling or from contact with this product. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine environmental regulatory compliance obligations under any applicable laws.