

1. IDENTIFICATION**Product identifier****Product Name** G-2539**Other means of identification****Product Code(s)** YG2539-D**Product Type** Adhesive.**Recommended use of the chemical and restrictions on use****Recommended Use** For industrial use only.**Uses advised against** No information available**Details of the supplier of the safety data sheet****Supplier Address**Dural
550 Marshall Ave.
Dorval, QC
Canada
H9P 1C9**Company Phone Number**

800-361-2340

Emergency telephone number**Emergency Telephone Number** CANUTEC 613-996-6666**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

WHMIS Statement

Classification complies with Canadian Hazardous Products Regulations (WHMIS 2015).

Skin sensitization

Category 1A

Label elements**Emergency Overview****Signal Word** Warning**Hazard Statements**

May cause an allergic skin reaction.



Appearance White

Physical state Liquid

Odor Mild

Precautionary Statements

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

Precautionary Statements - Response

Specific treatment (see Section 4 on this SDS).

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Precautionary Statements - Storage

Keep from freezing.

Precautionary Statements - Disposal

Dispose of in accordance with federal, state and local regulations.

Hazards not otherwise classified (HNOC)

None under normal processing.

Other information

Unknown acute toxicity

4.21379 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical name	CAS No	Weight-%	Trade Secret
Aluminum nitrate nonahydrate	7784-27-2	1 - 5	*
Propylene carbonate	108-32-7	1 - 5	*
Diethylene glycol monobutyl ether acetate	124-17-4	0.1 - 1.0	*
3(2H)-Isothiazolone, 5-chloro-2-methyl-	26172-55-4	< 0.1%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation persists.

Skin Contact

Wash skin with soap and water. Get medical attention if irritation develops and persists.

Inhalation

None under normal use conditions. Remove to fresh air.

Ingestion

Not an expected route of exposure. Clean mouth with water and drink afterwards plenty of water. Gastrointestinal discomfort. Consult a physician if necessary.

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable Extinguishing Media

Specific test data for the substance or mixture is not available.

Specific Hazards Arising from the Chemical

Do not allow run-off from fire-fighting to enter drains or water courses. Dried product is capable of burning. Sealed containers may rupture when heated.

Hazardous Combustion Products
Carbon oxides, Nitrogen oxides (NOx)

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protection equipment. Ensure adequate ventilation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Cleaning Up Pick up and transfer to properly labeled containers. Prevent environmental discharge consistent with regulatory requirements. Disposal should be in accordance with applicable regional, national and local laws and regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities

Storage Keep from freezing. Keep containers tightly closed in a cool, well-ventilated place.

Incompatible Products WATER REACTIVE MATERIALS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA - WEEL
Aluminum nitrate nonahydrate 7784-27-2	-	(vacated) TWA: 2 mg/m ³	TWA: 2 mg/m ³	-

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Avoid contact with eyes. Eye protection.

Skin and Body Protection Wear protective gloves/protective clothing.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be

required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild
Appearance	White	Odor threshold	No data available
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	3	Range: 2.5 - 3.5
Melting point / freezing point	No data available	
Boiling Point / Boiling Range	100 °C	
Flash point	No information available	
Evaporation rate	No information available	
Flammability	No information available	
Flammability Limit in Air		
Upper flammability or explosive limits	No information available	
Lower flammability or explosive limits	No information available	
Vapor pressure	Negligible	
Relative vapor density	No information available	
Specific gravity	>1.0	
Water Solubility	Miscible with water	
Solubility in other solvents	Specific test data for the substance or mixture is not available	
Partition coefficient	No information available	
Autoignition temperature	No data available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	3500 - 5000 cps	@ 25 °C
Explosive Properties	No information available	
Oxidizing Properties	No information available	

Other information

Softening Point	Specific test data for the substance or mixture is not available
Solids	48.0 - 50.0 %

10. STABILITY AND REACTIVITY

Reactivity

None under normal processing

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Do not freeze. Extremes of temperature and direct sunlight.

Incompatible materials

WATER REACTIVE MATERIALS.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides. Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Repeated exposure may cause skin dryness or cracking.
Ingestion	May be harmful if swallowed. Not an expected route of exposure.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Aluminum nitrate nonahydrate 7784-27-2	= 542.5 mg/kg (Rat)	-	-
Propylene carbonate 108-32-7	= 29000 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	-
Diethylene glycol monobutyl ether acetate 124-17-4	= 6500 mg/kg (Rat)	= 14500 mg/kg (Rabbit)	= 72500 mg/m ³ (Rat) 4 h
3(2H)-Isothiazolone, 5-chloro-2-methyl- 26172-55-4	= 481 mg/kg (Rat) = 53 mg/kg (Rat)	= 87.12 mg/kg (Rabbit)	= 1.23 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Specific test data for the substance or mixture is not available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause sensitization in susceptible persons.
Mutagenic Effects Specific test data for the substance or mixture is not available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Aluminum nitrate nonahydrate 7784-27-2	-	Group 2A	-	X

Reproductive Toxicity No information available
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Chronic Toxicity Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 9,177.90

12. ECOLOGICAL INFORMATION

Ecotoxicity

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Propylene carbonate - 108-32-7	EC50: >500mg/L (72h, <i>Desmodesmus subspicatus</i>)	LC50: >1000mg/L (96h, <i>Cyprinus carpio</i>)	EC50: >500mg/L (48h, <i>Daphnia magna</i>)
Diethylene glycol monobutyl ether acetate - 124-17-4	Not applicable	LC50: 50 - 70mg/L (96h, <i>Brachydanio rerio</i>) LC50: =77mg/L (96h, <i>Pimephales promelas</i>)	LC50: =665mg/L (48h, <i>Daphnia magna</i>)
3(2H)-Isothiazolone, 5-chloro-2-methyl- - 26172-55-4	EC50: 0.11 - 0.16mg/L (72h, <i>Pseudokirchneriella subcapitata</i>) EC50: 0.03 - 0.13mg/L (96h, <i>Pseudokirchneriella subcapitata</i>)	LC50: =1.6mg/L (96h, <i>Oncorhynchus mykiss</i>)	EC50: =4.71mg/L (48h, <i>Daphnia magna</i>) EC50: 0.12 - 0.3mg/L (48h, <i>Daphnia magna</i>) EC50: 0.71 - 0.99mg/L (48h, <i>Daphnia magna</i>)

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Chemical name	Partition coefficient
Propylene carbonate 108-32-7	0.48
Diethylene glycol monobutyl ether acetate 124-17-4	1.7
3(2H)-Isothiazolone, 5-chloro-2-methyl- 26172-55-4	0.75

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Disposal methods**Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

TSCA 8(b)

All components are listed or exempt

DSL

All components are listed or exempt

Legend:**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	Weight-%	SARA 313 - Threshold Values %
Aluminum nitrate nonahydrate - 7784-27-2	1 - 5	1.0

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical name	Weight-%	HAPS data
Diethylene glycol monobutyl ether acetate 124-17-4	0.1 - 1.0	Present
Vinyl acetate 108-05-4	< 0.1%	Present
Methyl alcohol 67-56-1	< 0.1%	Present
Formaldehyde 50-00-0	< 0.1%	Present
Acetaldehyde 75-07-0	< 0.1%	Present
Propylene oxide 75-56-9	< 0.1%	Present

CWA (Clean Water Act)

See information supplied by the manufacturer

CERCLA

See information supplied by the manufacturer

US State Regulations**California Proposition 65**

Based on information from material suppliers and process knowledge, this product is not known to contain any Proposition 65 listed substances at or above 0.1 weight percent. Please contact the Regulatory Department if additional information is required.

U.S. EPA Label Information
16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health hazards 1	Flammability 0	Instability 0	Special hazards -
HMIS	Health hazards 1	Flammability 0	Physical hazards 0	Personal Precautions X

Prepared By Verified by Quality Control Department
Revision date 13-Feb-2020

Revision Note
 No information available

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet