

MATERIAL SAFETY DATA SHEET

GEON 178

Version Number 1.2 Revision Date 02/24/2003 Page 1 of 6 Print Date 11/10/2011

1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION 33587 Walker Road, Avon Lake, OH 44012

NON-EMERGENCY TELEPHONE	:	Product Stewardship (440)-930-1395
Emergency telephone number	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name	:	GEON 178
Product code	:	Р01780000Н
Chemical Name	:	Ethene, chloro-, homopolymer
CAS-No.	:	9002-86-2
Product Use	:	Industrial Applications

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

There are no known hazardous components above regulatory thresholds in this product.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product may contain residual vinyl chloride monomer (VCM) (CAS number 75-01-4) below 8.5 ppm (0.00085%). OSHA considers VCM a suspect carcinogen and regulates it under 29 CFR 1910.1017. It is unlikely, under normal working conditions with adequate ventilation, that the OSHA action level and exposure limits will be exceeded for residual VCM. However, the user should take the necessary precautions (e.g. mechanical ventilation, local exhaust ventilation, air-monitoring, respiratory protection, etc.) to ensure airborne levels of any vapors including VCM or dusts that may be released during heating or processing are below regulated levels.

POTENTIAL HEALTH EFFECTS

: Inhalation, Ingestion
: Resin particles, like other inert materials, can be mechanically irritating. At process temperatures, product emissions may cause irritation.
: No adverse health effects are anticipated.
: Particulates, like other inert materials can be mechanically irritating. At process temperatures, product emissions may cause irritation.
: Experience shows no unusual dermatitis hazard from routine handling.
: Refer to Section 11 for Toxicological Information.





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Medical Conditions Aggravated by Exposure:	: None known.
	4. FIRST AID MEASURES
Inhalation	: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice.
Ingestion	: Not an anticipated hazard.
Eyes	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention.
Skin	: Wash off with soap and plenty of water. If skin irritation persists seek medical attention.
	5. FIRE-FIGHTING MEASURES
Flash point	: 736 °F ASTM D1929
Flammable Limits Upper explosion limit Lower explosion limit Autoignition temperature Suitable extinguishing media Special Fire Fighting Procedures Unusual Fire/Explosion Hazards	 Not applicable Not relevant Water spray, dry powder, foam, carbon dioxide (CO2). Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. The solid polymer can only be burned with difficulty. Fires will tend to self-extinguish in the absence of a substantial external source of hea or flame. Hydrogen Chloride (HCl) is generated upon product combustion. Prompt cleaning of surfaces with water based detergents is indicated after a fire to minimize corrosive attack. Vinyl resin dust has a very low tendency to explode. The minimum ignition energy for vinyl resin dust clouds is much higher than that of natural materials such as starch and flour or of other plastic materials. However, as with any powder material, care should be taken to avoid creation of dust clouds and to minimize ignition sources.
L	6. ACCIDENTAL RELEASE MEASURES
Personal precautions	: Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls. Material can create slippery conditions.
Environmental precautions	: Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.
Methods for cleaning up	: Clean up promptly by sweeping or vacuum. Package all material in



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	appropriate containe for proper disposal 1	r for disposal. Refer to Section 13 of this M nethods.	SE
	7. HANDLING AN) STORAGE	
Handling	: Take measures to prevent the build up of static electricity. Use only area provided with appropriate exhaust ventilation. Material can create slippery conditions.		
Storage	: Keep containers dry and contamination.	and tightly closed to avoid moisture absorpt	ior
8. EXI	POSURE CONTROLS / PI	RSONAL PROTECTION	
Respiratory protection		ng conditions a respirator may not be require ur wear appropriate respiratory protection.	ed.
Eye/Face Protection	: Safety glasses with	ide-shields.	
Hand protection	: Protective gloves.		
Skin and body protection	: Long sleeved clothin	g.	
Additional Protective Measures	: Safety shoes.		
General Hygiene Considerations		e with good industrial hygiene and safety pra reaks and at the end of workday.	cti
Engineering measures	: Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery.		
Exposure limit(s)			
There are no known hazardo	is components above regula	ory thresholds in this product.	
9	PHYSICAL AND CHEM	ICAL PROPERTIES	
Form Appearance Color	: Solid : powder, granular : NOT APPLICABLE	Evaporation rate: Not applicableSpecific Gravity: 1.4Bulk density: 20 to 25 lbs/	ft3
Odor Melting point/range	: Very faint : Not established	Vapor pressure : Not applicat Vapor density : Not applicat	
Boiling Point: Water solubility	: Not applicable : Insoluble	pH : Not applicat	
	10. STABILITY AND	REACTIVITY	
Stability	: Stable.		

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Hazardous Polymerization	: Will not occur.		
Conditions to avoid	: To avoid thermal decomposition, do not overheat. Keep away from oxidizing agents and open flame.		
Incompatible Materials	: Avoid contact with strong oxidizers. Also, avoid contact with acetal or acetal copolymers and with amine containing materials during processing. At processing conditions, these materials are mutually destructive and involve rapid degradation. Thoroughly purge and mechanically clean processing equipment to avoid even trace quantities of these materials from coming in contact with each other. Prevent cross contamination of feedstocks.		
Hazardous decomposition products	 Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible. Prolonged heating (approximately 30 minutes or more) above 392 °F (200 °C) or short term heating at 482 °F (250 °C) may result in product decomposition and evolution of carbon monoxide and hydrogen chloride. 		
	11. TOXICOLOGICAL INFORMATION		
There are no known hazardous			
incre are no known nazardous	components above regulatory thresholds in this product.		
	12. ECOLOGICAL INFORMATION		
Persistence and degradability			
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Persistence and degradability	12. ECOLOGICAL INFORMATION : Not readily biodegradable.		
Persistence and degradability Environmental Toxicity	12. ECOLOGICAL INFORMATION : Not readily biodegradable. : Adverse ecological impact is not known or expected under normal use.		
Persistence and degradability Environmental Toxicity Bioaccumulation Potential	12. ECOLOGICAL INFORMATION : Not readily biodegradable. : Adverse ecological impact is not known or expected under normal use. : Does not bioaccumulate.		
Persistence and degradability Environmental Toxicity Bioaccumulation Potential	12. ECOLOGICAL INFORMATION : Not readily biodegradable. : Adverse ecological impact is not known or expected under normal use. : Does not bioaccumulate. : No data available.		

- **14. TRANSPORT INFORMATION**
- U.S. DOT Classification
- : Not regulated for transportation.
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ICAO/IATA	: Not regulated for transportation.
IMO / IMDG	: Not regulated for transportation.
	15. REGULATORY INFORMATION
US Regulations:	
OSHA Status	: There are no known hazardous components above regulatory thresholds in this product.
TSCA Status	: All components of this product are listed on or exempt from the TSCA Inventory.
US. EPA CERCLA Hazardous	Substances (40 CFR 302)
Not applicable	
California Proposition 65	: WARNING! This product contains a chemical known to the State of California to cause cancer.
SARA Title III Section 302 Ext	remely Hazardous Substance
Not applicable	
SARA Title III Section 313 Tox	ic Chemicals:
	Not applicable
Canadian Regulations:	
WHMIS Classification	: Not controlled.
DSL	: All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.
National Inventories:	
Australia AICS	: Listed.
China IECS	: Listed.



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Japan ENCS : Listed.

Korea KECI : Listed.

Philippines PICCS : Listed.

16. OTHER 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.