

GEON WJKC305U NAT 0000

Version Number 1.1 Revision Date 04/15/2016 Page 1 of 16 Print Date 04/16/2016

SAFETY DATA SHEET

GEON WJKC305U NAT 0000

Section 1. Identification

GHS product identifier : GEON WJKC305U NAT 0000

Chemical name: MixtureCAS number: MixtureOther means of identification: VC10011206

Product type : solid

Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications. Plastics.

Supplier's details : POLYONE CORPORATION

33587 Walker Road, Avon Lake, OH 44012

1 (440) 930-1000 or 1 (866) POLYONE

Emergency telephone number

(with hours of operation)

CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or

accident).

Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. All ingredients are bound in a PVC polymer matrix and potential for hazardous exposure as shipped is minimal. PVC resin is manufactured from Vinyl Chloride Monomer (VCM). PVC resin manufacturers take special efforts to strip residual VCM from their resins. Residual VCM in the resin is typically below 8.5 ppm. However, VCM is a known carcinogen. The end-user (fabricator) should take necessary precautions (mechanical ventilation, local exhaust, respiratory protection, etc.) to protect employees from exposure to any vapors or dusts that may be released during heating or fabrication. See Sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard

Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and

other users of this product.

Classification of the substance or

mixture

Not classified.

GHS label elements



GEON WJKC305U NAT 0000

Version Number 1.1 Page 2 of 16 Revision Date 04/15/2016 Print Date 04/16/2016

Signal word : No signal word.

Hazard statements: No known significant effects or critical hazards.

Precautionary statements

General:Not applicable.Prevention:Not applicable.Response:Not applicable.Storage:Not applicable.Disposal:Not applicable.Supplemental label elements:None known.Hazards not otherwise classified:None known.

Section 3. Composition/information on ingredients

Substance/mixture: MixtureChemical name: MixtureOther means of identification: VC10011206

CAS number/other identifiers

Ingredient name	%	CAS number
Diundecyl phthalate	10 - 25	3648-20-2
Antimony trioxide	3 - 5	1309-64-4
Bis(2-ethylhexyl) tetrabromophthalate	3 - 5	26040-51-7
Boric acid, zinc salt	1 - 3	138265-88-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.



GEON WJKC305U NAT 0000

Version Number 1.1 Page 3 of 16 Revision Date 04/15/2016 Print Date 04/16/2016

Section 4. First aid measures

Description of necessary first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the

upper and lower eyelids. Check for and remove any contact lenses.

Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable

for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated

clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Remove victim to fresh air and keep at

rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by

medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist

immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without

suitable training.

See toxicological information (Section 11)



GEON WJKC305U NAT 0000

Version Number 1.1 Revision Date 04/15/2016 Page 4 of 16 Print Date 04/16/2016

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media In case of fire, use water spray (fog), foam, dry chemical or CO₂.

: None known.

Specific hazards arising from the chemical

No specific fire or explosion hazard.

May emit Hydrogen Chloride (HCl).

Hazardous thermal decomposition products

Decomposition products may include the following materials:

carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides

Special protective actions for firefighters : Promptly isolate the scene by removing all persons from the vicinity

of the incident if there is a fire. No action shall be taken involving any

personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and selfcontained breathing apparatus (SCBA) with a full face-piece operated

in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without

suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of

any information in Section 8 on suitable and unsuitable materials. See

also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil,

waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil

or air).

Methods and materials for containment and cleaning up

Small spill : Move containers from spill area. Vacuum or sweep up material and



GEON WJKC305U NAT 0000

Version Number 1.1 Revision Date 04/15/2016 Page 5 of 16 Print Date 04/16/2016

place in a designated, labeled waste container. Dispose of via a

licensed waste disposal contractor.

Large spill : Move containers from spill area. Prevent entry into sewers, water

courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency

contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures Advice on general occupational hygiene

- : Put on appropriate personal protective equipment (see Section 8).
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Bis(2-ethylhexyl) tetrabromophthalate	
Antimony trioxide	OSHA PEL (1993-06-30) expressed as Sb
	PEL: Permissible Exposure Level 0.5 mg/m3
	NIOSH REL (1994-06-01) expressed as Sb
	Time Weighted Average (TWA) 0.5 mg/m3
	OSHA PEL 1989 (1989-03-01) expressed as Sb



GEON WJKC305U NAT 0000

Version Number 1.1 Revision Date 04/15/2016 Page 6 of 16 Print Date 04/16/2016

	PEL: Permissible Exposure Level 0.5 mg/m3 ACGIH TLV (1994-09-01)
Diundecyl phthalate	
Boric acid, zinc salt	
Appropriate engineering controls Environmental exposure controls	exposure to airborne contaminants.
<u>Individual protection measures</u>	
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection :	
Skin protection	
Hand protection :	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection :	
Other skin protection :	



GEON WJKC305U NAT 0000

Version Number 1.1 Revision Date 04/15/2016 Page 7 of 16 Print Date 04/16/2016

product.

Respiratory protection: Use a properly fitted, particulate filter respirator complying with an

approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the

selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state solid [Pellets.] Color NO PIGMENT Not available. Odor **Odor threshold** Not available. Not available. рH **Melting point** Not available. **Boiling point** Not available. Flash point Not available. **Burning time** Not available. **Burning rate** Not available. **Evaporation rate** Not available. Flammability (solid, gas) Not available.

Lower and upper explosive : Lower: Not available. (flammable) limits : Upper: Not available.

Vapor pressureNot available.Vapor densityNot available.Relative densityNot available.SolubilityNot available.Solubility in waterNot available.Partition coefficient: n-Not available.

octanol/water

Auto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available.

Viscosity : Dynamic: Not available.

Kinematic: Not available.

Section 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or

its ingredients.

Chemical stability : Stable under recommended storage and handling conditions (see

Section 7).



GEON WJKC305U NAT 0000

Version Number 1.1 Page 8 of 16 Revision Date 04/15/2016 Print Date 04/16/2016

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will

not occur

Conditions to avoid : Keep away from extreme heat and oxidizing agents.

Incompatible materials : Avoid contact with acetal homopolymers and acetyl homopolymers

during processing.

Hazardous decomposition : Under normal conditions of storage and use, hazardous decomposition

products should not be produced.

Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Information on toxicological effects

Acute toxicity

products

Product/ingredient name	Result	Species	Dose	Exposure
Antimony trioxide				
	LD50 Oral	Rat	34,600 mg/kg	-
	LD50 Oral	Rat	34,000 mg/kg	-
Bis(2-ethylhexyl) tetrabromop	hthalate			
	LD50 Oral	Rat	5,000 mg/kg	-
Boric acid, zinc salt				

Conclusion/Summary: Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Diundecyl phthalate	Eyes - Mild irritant	Rabbit			-
Antimony trioxide	Eyes - Mild irritant	Rabbit			-
Bis(2-ethylhexyl) tetrabromophthalate	Eyes - Mild irritant	Rabbit			-
	Skin - Mild irritant	Rabbit			-

Conclusion/Summary

Skin: Mixture.Not fully tested.Eyes: Mixture.Not fully tested.Respiratory: Mixture.Not fully tested.

Sensitization



GEON WJKC305U NAT 0000

Version Number 1.1 Page 9 of 16 Revision Date 04/15/2016 Print Date 04/16/2016

Conclusion/Summary

Skin: Mixture.Not fully tested.Respiratory: Mixture.Not fully tested.

Mutagenicity

Conclusion/Summary : Mixture.Not fully tested.

Carcinogenicity

Conclusion/Summary : Mixture.Not fully tested.

Classification

Product/ingredient	OSHA	IARC	NTP
name			
Antimony trioxide		2B	

Reproductive toxicity

Conclusion/Summary : Mixture.Not fully tested.

Teratogenicity

Conclusion/Summary : Mixture.Not fully tested.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of

Not available.

exposure

Potential acute health effects

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics



GEON WJKC305U NAT 0000

Version Number 1.1 Page 10 of 16 Revision Date 04/15/2016 Print Date 04/16/2016

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary : Mixture. Not fully tested.

General:No known significant effects or critical hazards.Carcinogenicity:No known significant effects or critical hazards.Mutagenicity:No known significant effects or critical hazards.Teratogenicity:No known significant effects or critical hazards.Developmental effects:No known significant effects or critical hazards.Fertility effects:No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Diundecyl phthalate			
	Acute EC50 12 mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	
	Acute EC50 15 mg/l Fresh water	Aquatic invertebrates.	48 h
	40/40	•	•



GEON WJKC305U NAT 0000

Version Number 1.1 Revision Date 04/15/2016 Page 11 of 16 Print Date 04/16/2016

		Daphnia	
	Chronic NOEC 59 µg/l Fresh water	Aquatic invertebrates.	21 d
	Sin sine 1 (323 b) µg/111esin (vater	Daphnia	21 0
	Chronic NOEC 7.6 mg/l Fresh	Aquatic invertebrates.	21 d
	water	Daphnia	
	Chronic NOEC 7.6 mg/l Fresh	Aquatic invertebrates.	21 d
	water	Daphnia	
Antimony trioxide			
	Acute LC50 > 530 mg/l Fresh	Fish - Fish	96 h
	water		
	Acute LC50 > 1,000,000 μg/l	Fish - Fish	96 h
	Marine water		
	Acute EC50 423,450 µg/l Fresh	Aquatic invertebrates.	48 h
	water	Daphnia	
	Acute EC50 560 mg/l Fresh water	Aquatic invertebrates.	48 h
		Crustaceans	
	Acute EC50 730 µg/l Fresh water	Aquatic plants - Algae	72 h
	Acute EC50 760 µg/l Fresh water	Aquatic plants - Algae	96 h
	Acute EC50 740 µg/l Fresh water	Aquatic plants - Algae	96 h
	Acute NOEC 200 µg/l Fresh water	Aquatic plants - Algae	4 d
GEON WJKC305U NAT 0000)		
Remarks - Acute - Aquatic	c Chemicals are not readily available as they are bound within the polymer matrix.		
invertebrates.:	-		
0 1 1 10	C1 : 1 : 1:1	11 11 11 1	1 1.1 1 .1

Conclusion/Summary

: Chemicals are not readily available as they are bound within the

polymer matrix.

Persistence and degradability

Conclusion/Summary

: Chemicals are not readily available as they are bound within the

polymer matrix.

Conclusion/Summary

: Chemicals are not readily available as they are bound within the

polymer matrix.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Diundecyl phthalate		21.40	low

Mobility in soil

Soil/water partition coefficient

(KOC)

: Not available.

Other adverse effects : No known significant effects or critical hazards.



GEON WJKC305U NAT 0000

Version Number 1.1 Page 12 of 16 Revision Date 04/15/2016 Print Date 04/16/2016

Section 13. Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

Section 14. Transport information

U.S. DOT Classification : Not regulated for transportation.

ICAO/IATA : Consult mode specific transport rules

IMO/IMDG (maritime) : Consult mode specific transport rules

Section 15. Regulatory information

U.S. Federal regulations : United States - TSCA 12(b) - Chemical export notification: None

of the components are listed.

United States - TSCA 4(a) - Final Test Rules: Not listed United States - TSCA 4(a) - ITC Priority list: Not listed United States - TSCA 4(a) - Proposed test rules: Not listed United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Not

listed

United States - TSCA 5(a)2 - Proposed significant new use rules:

Not listed

United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Listed

Lead



GEON WJKC305U NAT 0000

Version Number 1.1 Revision Date 04/15/2016

Page 13 of 16 Print Date 04/16/2016

United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined

United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed

United States - TSCA 8(c) - Significant adverse reaction (SAR):

Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Arsenic

Zinc stearate

Lead

Boric acid, zinc salt Antimony trioxide Vinyl chloride monomer

United States - EPA Clean water act (CWA) section 311 -

Hazardous substances: Listed

United States - EPA Clean air act (CAA) section 112 - Accidental

release prevention - Flammable substances: Not listed

United States - EPA Clean air act (CAA) section 112 - Accidental

release prevention - Toxic substances: Not listed

United States - Department of commerce - Precursor chemical:

Not listed

Not listed

Listed

Clean Air Act Section 112(b)

Hazardous Air Pollutants (HAPs) Clean Air Act Section 602 Class I

Substances

Clean Air Act Section 602 Class II

Substances

DEA List I Chemicals (Precursor

Chemicals)

DEA List II Chemicals (Essential Chemicals)

Not listed

Not listed

Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name	CAS-No.	RQ for component
Arsenic	7440-38-2	1 lb(s)
		0.454 kg



GEON WJKC305U NAT 0000

Version Number 1.1 Page 14 of 16 Revision Date 04/15/2016 Print Date 04/16/2016

Antimony trioxide	1309-64-4	1,000 lb(s) 454 kg
		+34 kg

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	0/0	Classification
Diundecyl phthalate	10 - 25	АН
Antimony trioxide	3 - 5	АН, СН
Bis(2-ethylhexyl) tetrabromophthalate	3 - 5	АН
Boric acid, zinc salt	1 - 3	СН

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Boric acid, zinc salt	138265-88-0	1 - 3
	Antimony trioxide	1309-64-4	3 - 5
Supplier notification	Antimony trioxide	1309-64-4	3 - 5
	Boric acid, zinc salt	138265-88-0	1 - 3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : The following components are listed:

Antimony trioxide

Bis (2-ethylhexyl) adipate

New York : The following components are listed:

Antimony trioxide

New Jersey: The following components are listed:

Kaolin

Boric acid, zinc salt Antimony trioxide



GEON WJKC305U NAT 0000

Version Number 1.1 Revision Date 04/15/2016

Page 15 of 16 Print Date 04/16/2016

Bis (2-ethylhexyl) adipate

Ethene, chloro-, homopolymer

Pennsylvania The following components are listed:

Kaolin

Aluminum hydroxide

Bis (2-ethylhexyl) adipate

Antimony trioxide

Aluminate (Al(OH)63-), (OC-6-11)-, magnesium carbonate

hydroxide (2:6:1:4)

Boric acid, zinc salt

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

United States inventory (TSCA 8b) All components are listed or exempted.

Canada inventory At least one component is not listed in DSL but all such components

are listed in NDSL.

International regulations

International lists Australia inventory (AICS): Not determined.

Taiwan inventory (CSNN): Not determined.

Malaysia Inventory (EHS Register): Not determined. **EINECS:** All components are listed or exempted.

Japan inventory: Not determined.

China inventory (IECSC): Not determined.

Korea inventory: Not determined.

New Zealand Inventory of Chemicals (NZIoC): Not determined.

Philippines inventory (PICCS): Not determined.

Chemical Weapons Convention

List Schedule I Chemicals

Not listed

Not listed

Chemical Weapons Convention

List Schedule II Chemicals

Chemical Weapons Convention List Schedule III Chemicals

Not listed

Section 16. Other information



Page 16 of 16

GEON WJKC305U NAT 0000

Version Number 1.1 Print Date 04/16/2016 Revision Date 04/15/2016

History

Date of printing 04/16/2016 Date of issue/Date of revision 04/15/2016 Date of previous issue 04/14/2016

Version 1.1

Key to abbreviations ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of

Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine

pollution)

UN = United Nations

References Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.