### **GEON R3550C NATURAL**

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# SAFETY DATA SHEET

**GEON R3550C NATURAL** 

Section 1. Identification	on		
GHS product identifier Chemical name	:	GEON R3550C NATURAL Mixture	
CAS number Other means of identification Product type	:	Mixture VC10005810 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

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Signal word Hazard statements	:	No signal word. 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	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	VC10005810

CAS number/other identifiers

Ingredient name	%	CAS number
Di(2-ethylhexyl)phthalate	10 - 25	117-81-7

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.

### 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.



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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 Inhalation Skin contact	<ul> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> <li>No known significant effects or critical hazards.</li> </ul>
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sympt	<u>oms</u>
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
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#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Specific treatments	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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)

# **Section 5. Firefighting measures**

#### **Extinguishing media**

Suitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $CO_2$ .
Unsuitable extinguishing media	:	None known.

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Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	May emit Hydrogen Chloride (HCl). Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
Special protective actions for fire- fighters	:	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 self- contained 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 For emergency responders	:	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. If specialized 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 Methods and materials for containme	: ent ai	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).
Small spill Large spill	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. 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.



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# 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
Di(2-ethylhexyl)phthalate		OSHA PEL 1989 (1989-03-01) TWA 5 mg/m3 STEL 10 mg/m3 OSHA PEL (1993-06-30) TWA 5 mg/m3 NIOSH REL (1994-06-01) TWA 5 mg/m3 STEL 10 mg/m3 ACGIH TLV (1999-03-01) TWA 5 mg/m3
Appropriate engineering controls Environmental exposure controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of

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environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

Hygiene measures Eye/face protection	:	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. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
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	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# Section 9. Physical and chemical properties

#### **Appearance**

Physical state	:	solid [Pellets.]
Color	:	NO PIGMENT
Odor	:	Not available.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.

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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 pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	Not 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).
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 products	:	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



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Product/ingredient name	Result	Species	Dose	Exposure
Di(2-ethylhexyl)phthalate				
	LD50 Oral	Rat	30,000 mg/kg	-
Remarks - Inhalation:	No applicable toxic	city data		
	LD50 Dermal	Rabbit	25,000 mg/kg	-
Conclusion/Summary	: Mixtu	re.Not fully tested.		

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Di(2-ethylhexyl)phthalate	Eyes - Mild	Rabbit		24 hrs	-
	irritant Skin - Mild	Dabbit		24 has	
	irritant	Rabbit		24 hrs	-
	Eyes - Mild	Rabbit			-
	irritant	Kabbit			-
Conclusion/Summary	mmant				
Skin	: M	lixture.Not fu	llv tested		
Eyes		lixture.Not fu			
Respiratory		lixture.Not fu			
<b>F</b>			<b>j</b>		
Sensitization					
Conclusion/Summary					
Skin	: M	lixture.Not fu	lly tested.		
Respiratory	: M	lixture.Not fu	lly tested.		
Mutagenicity					
Conclusion/Summary	: M	lixture.Not fu	lly tested.		
<b>Carcinogenicity</b>					
Conclusion/Summary <u>Classification</u>	: M	lixture.Not fu	lly tested.		
Product/ingredient	OSHA	IARC	NTP		
name	USHA	IANC	1111		
Di(2-ethylhexyl)phthalate		2B	Reason	ably anticipated to	be a human carcinogen.
Di(2 eurymexy)philadae		20	Reason	ably anticipated to	be a naman carentogen.
<b>Reproductive toxicity</b>					
Conclusion/Summary	: M	lixture.Not fu	lly tested.		
<b>Teratogenicity</b>					

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Specific target organ toxicity (single exposure) Not available.         Specific target organ toxicity (repeated exposure) Not available.         Apprintion hazard Not available.         Specific target organ toxicity (repeated exposure) Not available.         Information on likely routes of Repeated by the specific data         By contact       in No known significant effects or critical hazards.         Spin contact       in No known significant effects or critical hazards.         Spin contact       in No known significant effects or critical hazards.         Spin contact       in No known significant effects or critical hazards.         Spin contact       in No known significant effects or critical hazards.         Spin contact       in No known significant effects or critical hazards.         Spin contact       in No known significant effects or critical hazards.         Spin contact       in No specific data.         Ingestion       in No specific data.         Shin contact       in No specific data.         Ingestion       in No specific data.         Shin contact       in No specific data.         Ingestion       in No available.         Potential inmediate effects       in Not available.         Potential inmediate effects       in Not available.         Potential inmediate effects       in Not available.	Conclusion/Summary	:	Mixture.Not fully tested.
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	Potential chronic health effects		
<b>General</b> : No known significant effects or critical hazards.	Conclusion/Summary	:	Mixture.Not fully tested.
	General	:	No known significant effects or critical hazards.

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

No known significant effects or critical hazards.No known significant effects or critical hazards.

No known significant effects or critical hazards.
No known significant effects or critical hazards.

No known significant effects of critical hazards.

#### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

:

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Di(2-ethylhexyl)phthalate			
	Acute LC50 1,106.2 Mg/l Fresh	Fish - Fish	96 h
	water		
Remarks - Acute - Fish:	Acute		
	Acute EC50 0.000133 Mg/l Fresh	Aquatic invertebrates.	48 h
	water	Daphnia	
Remarks - Acute - Aquatic	Acute		·
invertebrates.:			
	Acute EC50 31 Mg/l Marine water	Aquatic plants - Algae	96 h
Remarks - Acute - Aquatic	Acute		
plants:			
	Acute NOEC 0.076 Mg/l Marine	Aquatic plants - Algae	72 h
	water		
Remarks - Acute - Aquatic	Chronic		
plants:			
	Chronic NOEC 0.012 Mg/l Fresh	Fish - Fish	28 d
	water		
Remarks - Chronic - Fish:	Chronic		
	Chronic NOEC 0.109 Mg/l Fresh	Aquatic invertebrates.	21 d
	water	Crustaceans	
Remarks - Chronic -	Chronic		
Aquatic invertebrates.:			
	Chronic NOEC 0.077 Mg/l Fresh	Aquatic invertebrates.	21 d
	water	Daphnia	
Remarks - Chronic -	Chronic		



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Aquatic invertebrates.:	
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Remarks - Acute - Aquatic	Chemicals are not readily available as they are bound within the polymer matrix.
invertebrates.:	
Conclusion/Summary	: Chemicals are not readily available as they are bound within the polymer matrix.
Persistence and degradability	<u>7</u>
Conclusion/Summary	: Chemicals are not readily available as they are bound within the polymer matrix.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Di(2-ethylhexyl)phthalate	7.6	1,380.00	high

#### Mobility in soil

Soil/water partition coefficient (KOC)	:	Not available.
Other adverse effects	:	No known significant effects or critical hazards.

### 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: Listed

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Ingredient	CAS #	Status	Reference number
Di(2-ethylhexyl)phthalate	117-81-7	Listed	

# Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Consult mode specific transport rules
International Water IMO/IMDG	:	Consult mode specific transport rules

# Section 15. Regulatory information

U.S. Federal regulations	:	<ul> <li>United States - TSCA 12(b) - Chemical export notification: None of the components are listed.</li> <li>United States - TSCA 4(a) - Final Test Rules: Not listed</li> <li>United States - TSCA 4(a) - ITC Priority list: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 5(a)2 - Final significant new use rules: Not listed</li> <li>United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(e) - Substances consent order: Not listed</li> <li>United States - TSCA 6 - Final risk management: Not listed</li> <li>United States - TSCA 6 - Proposed risk management: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined</li> <li>United States - TSCA 8(a) - Preliminary assessment report (PAIR): Listed Poly(oxy-1,2-ethanediyl), .alpha(4-nonylphenyl)omegahydroxy-,branched</li> <li>United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed</li> <li>United States - TSCA 8(d) - Health and cafety studies: Not listed</li> </ul>

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pollutants: Listed Vinyl chloride monomer Phenol Zinc chloride (ZnCl2) Di(2-ethylhexyl)phthalate

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

Clean Air Act Section 112(b)	:	Listed
Hazardous Air Pollutants (HAPs) Clean Air Act Section 602 Class I	:	Not listed
Substances		
Clean Air Act Section 602 Class II Substances	:	Not listed
DEA List I Chemicals (Precursor	:	Not listed
Chemicals) DEA List II Chemicals (Essential	:	Not listed
Chemicals)	•	The listed

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name	CAS-No.	RQ for component
Di(2-ethylhexyl)phthalate	117-81-7	100 lb(s) 45.4 kg

#### SARA 311/312

Classification

: Not applicable.

#### **Composition/information on ingredients**

No products were found.

Name	%	Classification
Di(2-ethylhexyl)phthalate	>= 10 - <= 25	EYE IRRITATION - Category 2B
		CARCINOGENICITY - Category 2

#### SARA 313



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	Product name	CAS number	%
Form R - Reporting	Di(2-ethylhexyl)phthalate	117-81-7	10 - 25
requirements			
Supplier notification	Di(2-ethylhexyl)phthalate	117-81-7	10 - 25

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	: None of the components are listed.
New York	: The following components are listed:
	Di(2-ethylhexyl)phthalate
New Jersey	: The following components are listed:
	Ethene, chloro-, homopolymer
	Calcium carbonate
	Di(2-ethylhexyl)phthalate
	Alkanes, C14-17, chloro
Pennsylvania	: The following components are listed:
	Di(2-ethylhexyl)phthalate
	Calcium carbonate

#### California Prop. 65

**WARNING:** This product can expose you to Di(2-ethylhexyl)phthalate, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Di(2-ethylhexyl)phthalate	No.	No.

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		
Inventory list		
Australia	:	Not determined.
Canada	:	At least one component is not listed in DSL but all such components
4440		

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		are listed in NDSL.
China	:	Not determined.
Europe inventory	:	All components are listed or exempted.
Japan	:	Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	Not determined.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.

and listed in MDCI

### Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	/	0
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

110001		
Date of printing	:	09/02/2019
Date of issue/Date of revision	:	08/30/2019
Date of previous issue	:	07/17/2014
Version	:	1.5
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 = International Convention for the Prevention of Pollution From
		Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine
		pollution)
		UN = United Nations



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References

Not available.

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Notice to reader

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