1. Identification of the substance/preparation and of the company/undertaking

Product name: Terrific GC-100 Base agent

Company name: GROW CHEMICAL CO.LTD.

28-4 Shimonoda-cho, Sabae-city, Fukui Japan

TEL (81)778-62-3158 FAX (81)778-62-3160

2. Hazards identification

GHS Classification:

Hazard Class	Hazard Category
Skin irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin Sensitization	Category 1
Germ cell mutagenicity	Category 2
Acute hazards to the aquatic environment	Category 2
Chronic hazards to the aquatic environment	Category 2

GHS label elements:

Hazard pictogram:

Signal word: Warning

Hazard statement: H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H341 Suspected of causing genetic defects.

H411 Toxic to aquatic life with long lasting effects.

Prevention: P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the

workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical attention.

P333+P313 If skin irritation or rash occurs: Get medical attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

Storage: P405 Store locked up. Disposal:

P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

3. Composition / information on ingredients

Single substance/ Mixture: Mixture

Chemical Characterization: Aqueous emulsion of:

Hazardous Components and Concentration

Ingredients	contents
reaction product: bisphenol-A-(epichlorhydrin)	50 - 60 %
2,3-Epoxypropyl neodecanoate	2.5 - 10 %
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)- isothiazolone	0.0025 - 0.025%

4. First aid measures

Case of skin contact: Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

Case of eye contact: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Case of ingestion: Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. In case of adverse health effects seek medical advice.

Case of inhalation: Move to fresh air, consult doctor if complaint persists.

5. Fire-fighting measures

Fire-fighting advice: In case of fire, keep containers cool with water spray.

Suitable extinguishing media: Water spray (fog), foam, dry chemical or carbon dioxide.

Extinguishing media that can not be used: None known

Protective equipment: Wear protective equipment.
Wear self-contained breathing apparatus.

6. Accidental release measures

Advise: Danger of slipping on spilled product.

Personal precautions: Avoid skin and eye contact.
Ensure adequate ventilation.

Environmental precautions: Do not empty into drains / surface water / ground water.
Do not allow to enter the ground / soil.

Measures for removal: Wash away residue with plenty of water.
Remove with liquid-absorbing material (sand, peat, sawdust).
Dispose of contaminated material as waste according to Section 13.

7. Handling and storage

Handling:

Precautions for safe handling: Avoid skin and eye contact.
Gloves and safety glasses should be worn.
Use only in well-ventilated areas.

Storage:

Conditions for safe storage: Store between 40°F and 104°F. (5°C and 40°C)
Do not freeze. Store away from alkaline materials.
Avoid strong oxidizing agents.
Keep away from strong oxidizers.

8. Exposure controls / personal protection

Indications for system design: Use general ventilation.

Personal Protection Equipment:

Hand protection: Suitable protective gloves.

Eye protection: Safety goggles or safety glasses with side shields.

9. Physical and chemical properties

Physical state:	liquid	Color:	Milky white
		Odor:	aromatic
pH:	7	Melting point:	0 °C (32 °F)
Boiling point:	100 °C (212 °F)	Density:	1 g/cm3
Vapor density:	Not applicable or not available	Vapor pressure:	Not applicable or not available
Flash point:	Not applicable or not available		
Lower explosive limit:	Not applicable or not available	Upper explosive limit:	Not applicable or not available
Solubility in water:	Not applicable or not available	Viscosity:	Not applicable or not available
Auto-ignition temperature:	Not applicable or not available	Flammability:	Not applicable or not available
Octanol / water distribution coefficient:	Not applicable or not available	Decomposition temperature:	Not applicable or not available
Particle characteristics	Not applicable or not available.		

10. Stability and reactivity

Stability:

Reactivity: Avoid contact with amines.

Chemical stability: Stable under normal conditions of temperature and pressure.

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value type	Value	Species	Method
reaction product: bisphenol-A-(epichlorhydrin)	LD50	> 2,000 mg/kg	rat	OECD Guideline 420 (Acute Oral Toxicity)
2,3-Epoxypropyl neodecanoate	LD50	> 2,000 mg/kg	Rat	OECD Guideline 420 (Acute Oral Toxicity)
Mixture, 3(2H)- Isothiazolone, 5-chloro-2- methyl-, mixt. with 2-methyl-3(2H)- isothiazolone	LD50	66 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Species	Method

	type			
reaction product: bisphenol-A-(epichlorhydrin)	LD50	> 2,000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)
2,3-Epoxypropyl neodecanoate	LD50	> 2,000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)
Mixture, 3(2H)- Isothiazolone, 5-chloro-2- methyl-, mixt. with 2-methyl-3(2H)- isothiazolone	LD50	87.12 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value type	Value	Test atmosphere	Exposure time	Species	Method
2,3-Epoxypropyl neodecanoate	LC 50	> 240 mg/m3	Inhalation	4 h	Rat	
Mixture, 3(2H)- Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)- isothiazolone	LC50	0.171 mg/l	dust/mist	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Result	Exposure time	Species	Method
reaction product: bisphenol-A-(epichlorhydrin)	not irritating	4 h	rabbit	not specified
2,3-Epoxypropyl neodecanoate	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Mixture, 3(2H)- Isothiazolone, 5-chloro-2- methyl-, mixt. with 2-methyl-3(2H)- isothiazolone	corrosive	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Result	Exposure time	Species	Method
reaction product: bisphenol-A-(epichlorhydrin)	not irritating		rabbit	Guideline 405 (Acute Eye Irritation / Corrosion)
2,3-Epoxypropyl neodecanoate	not irritating		Rabbit	Guideline 405 (Acute Eye Irritation / Corrosion)
Mixture, 3(2H)- Isothiazolone, 5-chloro-2- methyl-, mixt. with 2-methyl-3(2H)- isothiazolone	Category 1 (irreversibl e effects on the eye)		rabbit	not irritating

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances	Result	Test type	Species	Method
reaction product: bisphenol-A-(epichlorhydrin)	sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
2,3-Epoxypropyl neodecanoate	sensitising	Guinea pig maximisation test	guinea pig	Magnusson and Kligman Method
Mixture, 3(2H)- Isothiazolone, 5-chloro-2- methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Mixture, 3(2H)- Isothiazolone, 5-chloro-2- methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	sensitising	Mouse local lymphnode assay (LLNA)	mouse	not irritating

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture

Hazardous substances	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
reaction product: bisphenol-A- (epichlorhydrin)	Negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 472 (Genetic Toxicology: Escherichia coli, Reverse Mutation

					Assay)
2,3-Epoxypropyl neodecanoate	Negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
2,3-Epoxypropyl neodecanoate	Positive	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
2,3-Epoxypropyl neodecanoate	Negative	yeast cytogenetic assay	with and without		OECD Guideline 481 (Genetic Toxicology: Saccharomyces cerevisiae, Mitotic Recombination Assay)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	Ambiguous	bacterial reverse mutation assay (e.g Ames test)	with and without		equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	Positive	in vitro mammalian chromosome aberration test	with and without		EPA OPP 84-2 (Mutagenicity Testing)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	Positive	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	Negative	DNA damage and repair assay, UDS in mammalian cells in vitro	not applicable		OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells In Vitro)
reaction product: bisphenol-A- (epichlorhydrin)	Negative	oral: gavage		Mouse	not specified
2,3-Epoxypropyl neodecanoate	Positive	oral: gavage		mouse	OECD Guideline 488 (In Vivo Transgenic Cell Gene Mutation Assays)

Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	Negative	oral: gavage		Mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	Negative	oral: gavage		Mouse	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	Negative	oral: feed		Drosophila melanogaster	OECD Guideline 477 (Genetic Toxicology: Sex-linked Recessive Lethal Test in Drosophila melanogaster)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	Negative	oral: gavage		Rat	OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	Negative	oral: gavage		rat	EPA OPP 84-2 (Mutagenicity Testing)

Carcinogenicity：

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components	Result	Route of application	Exposure time / Frequency of treatment	Species	Sex	Method
reaction product: bisphenol-A-(epichlorhydrin)	not carcinogenic	皮膚	2 y daily	mouse	male	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

reaction product: bisphenol-A- (epichlorhydrin)	not carcinogenic	oral: gavage	2 y daily	rat	male/female	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Mixture, 3(2H)- Isothiazolone, 5-chloro-2- methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	not carcinogenic	oral: drinking water	2 y daily	rat	male/female	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components	Result / Value	Test type	Route of application	Species	**Method**
reaction product: bisphenol-A- (epichlorhydrin)	NOAEL P >= 50 mg/kg NOAEL F1 >= 750 mg/kg NOAEL F2 >= 750 mg/kg	Two generation study	oral: gavage	Rat	OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)
Mixture, 3(2H)- Isothiazolone, 5-chloro-2- methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	NOAEL P 30 ppm NOAEL F1 300 ppm NOAEL F2 300 ppm	Two generation study	oral: drinking water	rat	OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)

STOT-single exposure:

No data available.

STOT-repeated exposure:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances	**Result / Value**	**Route of application**	**Exposure time / Frequency of treatment**	**Species**	**Method**

reaction product: bisphenol-A- (epichlorhydrin)	NOAEL 50 mg/kg	oral: gavage	14 w daily	Rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	NOAEL 16.3 mg/kg	oral: drinking water	90 d daily	Rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	NOAEL 0.34 mg/m3	inhalation : aerosol	90 d 6 h/d, 5 d/w	Rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2- methyl-3(2H)- isothiazolone	NOAEL 2.625 mg/kg	dermal	90 d 6 h/d	rat	EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days)

Aspiration hazard:

No data available.

12. Ecological information

General ecological information:

Not known

12.1. Toxicity Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value type	Value	Exposure time	Species	Method
reaction product: bisphenol-A- (epichlorhydrin)	LC50	1.75 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
2,3-Epoxypropyl neodecanoate	LC50	9.61 mg/l	96 h	Oncorhynchus mykiss	EPA OTS 797.1400 (Fish Acute Toxicity Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	LC50	0.22 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)

Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	NOEC	0.098 mg/l	28 d	Oncorhynchus mykiss	OECD Guideline 210 (fish early lite stage toxicity test)

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value type	Value	Exposure time	Species	Method
reaction product: bisphenol-A- (epichlorhydrin)	EC50	1.7 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2,3-Epoxypropyl neodecanoate	EC50	4.8 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	EC50	0.12 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity to aquatic invertebrates:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value type	Value	Exposure time	Species	Method
reaction product: bisphenol-A- (epichlorhydrin)	NOEC	0.3 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	NOEC	0.0036 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value type	Value	Exposure time	Species	Method
reaction product: bisphenol-A- (epichlorhydrin)	EC50	> 11 mg/l	72 h	Scenedesmus capricornutum	OECD Guideline 201 (Alga, Growth Inhibition Test)
reaction product: bisphenol-A- (epichlorhydrin)	NOEC	4.2 mg/l	72 h	Scenedesmus capricornutum	OECD Guideline 201 (Alga, Growth Inhibition Test)
2,3-Epoxypropyl neodecanoate	NOEC	1 mg/l	96 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
2,3-Epoxypropyl neodecanoate	EC50	2.9 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	EC50	0.0052 mg/l	48 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	NOEC	0.00064 mg/l	48 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity to microorganisms:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value type	Value	Exposure time	Species	Method
reaction product: bisphenol-A- (epichlorhydrin)	IC50	> 100 mg/l	3 h	activated sludge, industrial	other guideline:
2,3-Epoxypropyl neodecanoate	EC50	> 100 mg/l			OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	EC20	0.97 mg/l	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

12.2. Persistence and degradability

Hazardous substances	Result	Test type	Degradability	Exposure time	Method
reaction product: bisphenol-A-(epichlorhydrin)	not readily biodegradable.	aerobic	5 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
2,3-Epoxypropyl neodecanoate	under test conditions no biodegradation observed	aerobic	7 - 8 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
2,3-Epoxypropyl neodecanoate	inherently biodegradable, fulfilling specific criteria	aerobic	68 %	36 d	OECD Guideline 302 A (Inherent Biodegradability: Modified SCAS Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	inherently biodegradable	aerobic	100 %	28 d	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	readily biodegradable	aerobic	> 60 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

12.3. Bioaccumulative potential

Hazardous substances	Bioconcentration factor (BCF)	Exposure time	Temperature	Species	Method
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	3.6			calculation	QSAR (Quantitative Structure Activity Relationship)

12.4. Mobility in soil

Hazardous substances	LogPow	Temperature	Method
reaction product: bisphenol-A-(epichlorhydrin)	3.242	25 °C	EU Method A.8 (Partition Coefficient)
2,3-Epoxypropyl neodecanoate	4.4	20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
Mixture, 3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	> -0.71 - 0.75	20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or vPvB.

12.6. Other adverse effects

No data available.

13. Disposal considerations

Recommended method of disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

14. Transport information

Marine transport IMDG:

Class:	9
Packing group:	III
UN no.:	3082
Label:	9
EmS:	F-A ,S-F
Seawater pollutant:	Marine pollutant
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)

Air transport IATA:

Class:	9
Packing group:	III

Packing instructions (passenger)	964
Packing instructions (cargo)	964
UN no.:	3082
Label:	9
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)

Further information for transport:

The transport classifications in this section apply generally to packed and bulk goods alike. For containers with a net volume of no more than 5 L for liquid substances or a net mass of no more than 5 kg for solid substances per individual or inner package, the exemptions SP 375 (ADR), A197 (IATA), 2.10.2.7 (IMDG) may be applied, which can result in a deviation from the transport classification for packed goods.

Local transport information:

Land transportation: If it falls under the Fire Service Act, the Industrial Safety and Health Act, the Poisonous and Deleterious Substances Act, etc., follow the prescribed transportation method.

Maritime transportation: Follow the transportation law stipulated in the Ship Safety Act.

Air transportation: Follow the transportation method stipulated in the Civil Aeronautics Act.

15. Regulatory information

Labor Safety and Health Law:

Mutagens, Existing Chemicals: reaction product: bisphenol-A-(epichlorhydrin)

Fire services law: Does not apply.

Poisonous and Deleterious substances control Law: Does not apply.

PRTR Law: Does not apply.

16. Other information

Disclaimer: This Safety Data Sheet has been generated based on Japanese Industrial Standard (JIS: Z 7253) and provides information in accordance with Japanese law only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact our company for additional assistance.