

# MasterProtect HB 400 CS Pas TB

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**SECTION 1. IDENTIFICATION** 

Product name : MasterProtect HB 400 CS Pas TB

Product code : 00000000051715533 00000000051715533

Manufacturer or supplier's details

Company name of supplier : Master Builders-Construction Systems

US, LLC

Address : 23700 CHAGRIN BLVD

Beachwood OH 44122

Emergency telephone : ChemTel: +1-813-248-0585

Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals

Restrictions on use : Reserved for industrial and professional use.

**SECTION 2. HAZARDS IDENTIFICATION** 

GHS classification in accordance with 29 CFR 1910.1200

Carcinogenicity (Inhalation) : 1A

Specific target organ toxicity

- repeated exposure (Inhala-

tion)

gan toxicity : Category 1

Specific target organ toxicity

- repeated exposure (Inhala-

tion)

: 2 (Kidney, Immune system)

Short-term (acute) aquatic

hazard

: 3

Long-term (chronic) aquatic

hazard

3

**GHS** label elements

Hazard pictograms

Signal Word : Danger

Hazard Statements : H350 May cause cancer.

H372 Causes damage to organs through prolonged or repeated

exposure if inhaled.



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H373 May cause damage to organs through prolonged or re-

peated exposure.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

P201 Obtain special instructions before use.

P260 Do not breathe dust or mist.

P202 Do not handle until all safety precautions have been read

and understood.

P273 Avoid release to the environment.

P270 Do not eat, drink or smoke when using this product.

P264 Wash face, hands and any exposed skin thoroughly after

handling.

Response:

P314 Get medical advice/ attention if you feel unwell. P308 + P311 IF exposed or concerned: Call a POISON

CENTER/ doctor.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container to appropriate hazardous

waste collection point.

#### Other hazards

No data available.

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 15 - < 50
crystalline silica	14808-60-7	>= 15 - < 20
Titanium dioxide	13463-67-7	>= 5 - < 10
ethyleneglycol	107-21-1	>= 0.3 - < 3
Isobutyric acid, monoester with 2,2,4-	25265-77-4	>= 0 - < 3
trimethylpentane-1,3-diol		
Poly(oxy-1,2-ethanediyl), .alpha	9036-19-5	>= 0 - < 0.2
[(1,1,3,3-tetramethylbutyl)phenyl]-		
.omegahydroxy-		
diuron	330-54-1	>= 0 - < 0.1
3-iodo-2-propynyl butylcarbamate; 3-	55406-53-6	>= 0 - < 0.1
iodoprop-2-yn-1-yl butylcarbamate		

### **SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.

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Show this material safety data sheet to the doctor in attend-

ance.

Do not leave the victim unattended.

If inhaled : Consult a physician after significant exposure.

If unconscious, place in recovery position and seek medical

advice.

In case of skin contact : If on skin, rinse well with water.

In case of eye contact : Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Induce vomiting immediately and call a physician.

Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

Most important symptoms and effects, both acute and

delayed

May cause cancer.

Causes damage to organs through prolonged or repeated

exposure if inhaled.

May cause damage to organs through prolonged or repeated

exposure.

Notes to physician : Treat symptomatically.

#### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Water spray

Foam Dry powder

Carbon dioxide (CO2)

Unsuitable extinguishing

media

High volume water jet

Specific hazards during fire

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Special protective equipment:

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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Personal precautions, protec- : tive equipment and emer-

gency procedures

Use personal protective equipment.

Ensure adequate ventilation.

**Environmental precautions** Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for

containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against : Product is not explosive.

fire and explosion

Normal measures for preventive fire protection.

Avoid formation of aerosol. Advice on safe handling

Do not breathe vapors/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Conditions for safe storage Keep container tightly closed in a dry and well-ventilated

Containers which are opened must be carefully resealed and

kept upright to prevent leakage. Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Further information on stor-

age conditions

Keep only in the original container in a cool, dry, well-

ventilated place away from ignition sources, heat or flame.

Protect from direct sunlight.

Materials to avoid Observe VCI storage rules.

Recommended storage tem: :

perature

41 °F / 5 °C

Further information on stor-

age stability

Minimum storage temperature:



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### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

# Ingredients with workplace control parameters

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
	10= 01 1	exposure)	concentration	40000
ethyleneglycol	107-21-1	TWA value	25 ppm	ACGIHTLV
		(Vapor frac-		
		tion) STEL value	FO nom	ACGIHTLV
		(Vapor frac-	50 ppm	ACGINILV
		tion)		
		STEL value	10 mg/m3	ACGIHTLV
		(Aerosol,	10 1119/1110	7.00111124
		inhalable.)		
		TWA (Vapor)	25 ppm	ACGIH
		STEL (Va-	50 ppm	ACGIH
		por)	''	
		STEL (Inhal-	10 mg/m3	ACGIH
		able fraction,		
		Aerosol only)		
		С	50 ppm	OSHA P0
			125 mg/m3	
diuron	330-54-1	TWA value	10 mg/m3	ACGIHTLV
		REL value	10 mg/m3	NIOSH
		TWA value	10 mg/m3	29 CFR
				1910.1000
				(Table Z-1-A)
		TWA	10 mg/m3	ACGIH
		TWA	10 mg/m3	NIOSH REL
		TWA	10 mg/m3	OSHA P0
Limestone	1317-65-3	REL value (Respirable)	5 mg/m3	NIOSH
		REL value (Total)	10 mg/m3	NIOSH
		PEL (Respir-	5 mg/m3	29 CFR
		able fraction)		1910.1000
				(Table Z-1)
		PEL (Total	15 mg/m3	29 CFR
		dust)		1910.1000
		<u> </u>		(Table Z-1)
		TWA value	5 mg/m3	29 CFR
		(Respirable		1910.1000
		fraction)	45/	(Table Z-1-A)
		TWA value	15 mg/m3	29 CFR
		(Total dust)		1910.1000
		TWA (total	15 mg/m3	(Table Z-1-A) OSHA Z-1
		dust)	i o ilig/ilio	USHA Z-1
		TWA (respir-	5 mg/m3	OSHA Z-1
		able fraction)	o mg/mo	33.7.2



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		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Respirable)	5 mg/m3 (Calcium car- bonate)	NIOSH REL
		TWA (total)	10 mg/m3 (Calcium car- bonate)	NIOSH REL
Titanium dioxide	13463-67-7	TWA value	10 mg/m3	ACGIHTLV
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (Total dust)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA	10 mg/m3 (Titanium dioxide)	ACGIH
crystalline silica	14808-60-7	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV
		REL value (Respirable dust)	0.05 mg/m3	NIOSH
		TWA value	0.05 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050
		OSHA Action level	0.025 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050
		TWA (Res- pirable dust)	0.05 mg/m3	OSHA Z-1
		TWA (respir- able)	10 mg/m3 / %SiO2+2	OSHA Z-3
		TWA (respir- able)	250 mppcf / %SiO2+5	OSHA Z-3
		TWA (respir- able dust fraction)	0.1 mg/m3	OSHA P0
		TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH
		PEL (respir- able)	0.05 mg/m3	OSHA CARC
		TWA (Res- pirable dust)	0.05 mg/m3 (Silica)	NIOSH REL



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**Engineering measures** : Wear appropriate respiratory protection.

Personal protective equipment

Respiratory protection : Wear a NIOSH-certified (or equivalent) respirator as neces-

sary.

Hand protection

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Skin and body protection : Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures : Do not inhale gases/vapours/aerosols.

Avoid contact with the skin, eyes and clothing.

Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene

and safety practice.

Wearing of closed work clothing is recommended.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

# **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Color : pigmented

Odor : sweetish, slight odour

Odor Threshold : No data available

pH : 9.5 - 10

Melting point : No applicable information available.

Boiling point : 379.00 - 401.00 °F / 192.78 - 205.00 °C

Flash point : 200.01 °F / 93.34 °C

Evaporation rate : No applicable information available.



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Flammability (solid, gas) : not determined

Upper explosion limit / Upper

flammability limit

: 15.3 %(V)

Lower explosion limit / Lower

flammability limit

3.2 %(V)

Vapor pressure : No data available.

Relative vapor density : Heavier than air.

Relative density : 1.57 - 1.70

Density : 1.57 - 1.70 g/cm3 (68 °F / 20 °C)

Bulk density : not applicable

Solubility(ies)

Water solubility : partly soluble

Solubility in other solvents : No applicable information available.

Partition coefficient: n-

octanol/water

No data available.

Autoignition temperature : No data available

Decomposition temperature : No decomposition if stored and handled as pre-

scribed/indicated.

Viscosity

Viscosity, dynamic : No applicable information available.

Viscosity, kinematic : No applicable information available.

Explosive properties : Not explosive

Not explosive

Oxidizing properties : Based on its structural properties the product is not classified

as oxidizing.

Sublimation point : No applicable information available.

Molecular weight : No data available

### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reac- : No decomposition if stored and applied as directed.



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tions

Conditions to avoid : See SDS section 7 - Handling and storage.

Incompatible materials : Strong oxidizing agents

Strong bases Strong acids

Hazardous decomposition

products

irritant gases/vapours

carbon oxides

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

#### **Acute toxicity**

Not classified based on available information.

**Product:** 

Acute oral toxicity : Remarks: No applicable information available.

Acute inhalation toxicity : Remarks: No applicable information available.

Acute dermal toxicity : Remarks: No applicable information available.

#### Skin corrosion/irritation

Not classified based on available information.

**Product:** 

Remarks : May cause skin irritation and/or dermatitis.

#### Serious eye damage/eye irritation

Not classified based on available information.

**Product:** 

Remarks : Vapors may cause irritation to the eyes, respiratory system

and the skin.

### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

# Respiratory sensitization

Not classified based on available information.

**Product:** 

Remarks : Causes sensitization.

### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

May cause cancer.



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#### Reproductive toxicity

Not classified based on available information.

### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure if inhaled.

May cause damage to organs through prolonged or repeated exposure.

### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

**Product:** 

Remarks : No data available

#### **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

No data available

### Persistence and degradability

#### **Components:**

# Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]- .omega.-hydroxy-:

Biodegradability : aerobic

Inoculum: activated sludge, domestic, non-adapted

Result: Readily biodegradable.

Biodegradation: 90 % Exposure time: 28 d

Method: Modified OECD-Screening-Test.

### **Bioaccumulative potential**

### **Components:**

crystalline silica:

Partition coefficient: n-

octanol/water

Remarks: not applicable

Titanium dioxide:

Partition coefficient: n-

octanol/water

Remarks: not applicable

ethyleneglycol:

Partition coefficient: n-

octanol/water

log Pow: approx. -1.36 (73 °F / 23 °C)

Method: Calculation Hansch/Leo

GLP: no data

Remarks: Information taken from reference works and the

literature.



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Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol:

Partition coefficient: n- : log Pow: 3.2 (77 °F / 25 °C)

octanol/water pH: 7

Method: Partition coefficient (n-octanol/water), HPLC method.

GLP: no

Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]- .omega.-hydroxy-:

Bioaccumulation : Remarks: Accumulation in organisms is not to be expected.

3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate:

Partition coefficient: n- : log Pow: 2.81 (77 °F / 25 °C)

octanol/water Method: Partition coefficient (n-octanol/water), Shake-flask

method GLP: yes

Mobility in soil

No data available

Other adverse effects

**Product:** 

Additional ecological infor-

mation

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

Waste from residues : Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Dispose of in accordance with national, state and local regula-

tions.

Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible

and disposed of in the same manner as the sub-

stance/product.

### **SECTION 14. TRANSPORT INFORMATION**

### International Regulations

**UNRTDG** 

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

**IMDG-Code** 



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Not regulated as a dangerous good

# Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

**Domestic regulation** 

**49 CFR** 

Not regulated as a dangerous good

### **SECTION 15. REGULATORY INFORMATION**

SARA 313 : The following components are subject to reporting levels es-

tablished by SARA Title III, Section 313:

ethyleneglycol 107-21-1

### **US State Regulations**

### Pennsylvania Right To Know

ethyleneglycol	107-21-1
Limestone	1317-65-3
Titanium dioxide	13463-67-7
crystalline silica	14808-60-7
ethylene oxide	75-21-8
propylene oxide	75-56-9
1,4-dioxane	123-91-1

# **New Jersey Right To Know**

ethyleneglycol	107-21-1
Limestone	1317-65-3
Titanium dioxide	13463-67-7
crystalline silica	14808-60-7
Quartz (SiO2)	14808-60-7
Quartz (SiO2)	14808-60-7
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5

#### California Prop. 65

WARNING: This product can expose you to chemicals including ethylene oxide, which is/are 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.

### The ingredients of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

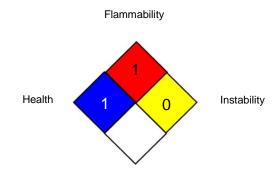
#### **SECTION 16. OTHER INFORMATION**

### **Further information**

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#### NFPA 704:



Special hazard

#### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

#### Full text of other abbreviations

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1-A (29 CFR 1910.1000)

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR

1910.1000

29 CFR 1910.1001-1050 OSHA - Specifically Regulated Substances (29 CFR

1910.1001-1050)

**ACGIH** USA. ACGIH Threshold Limit Values (TLV)

**ACGIHTLV** American Conference of Governmental Industrial Hygienists -

threshold limit values (US)

NIOSH Pocket Guide to Chemical Hazards (US) NIOSH **NIOSH REL** USA. NIOSH Recommended Exposure Limits

**OSHA CARC** OSHA Specifically Regulated Chemicals/Carcinogens OSHA<sub>P0</sub> USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

1910.1000

OSHA Z-1 USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-

its for Air Contaminants

**OSHA Action level:** 

OSHA Z-3 USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min-

29 CFR 1910.1000 (Table Z- :

1-A) / TWA value

Time Weighted Average (TWA):

29 CFR 1910.1000 (Table Z- :

Permissible exposure limit 1) / PEL

29 CFR 1910.1001-1050 /

OSHA Action level

29 CFR 1910.1001-1050 / TWA value

ACGIH / TWA 8-hour, time-weighted average

ACGIH / STEL Short-term exposure limit ACGIHTLV / STEL value Short Term Exposure Limit (STEL): ACGIHTLV / TWA value Time Weighted Average (TWA): NIOSH / REL value Recommended exposure limit (REL):

NIOSH REL / TWA Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

Time Weighted Average (TWA):



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OSHA CARC / PEL : Permissible exposure limit (PEL)
OSHA P0 / TWA : 8-hour time weighted average

OSHA P0 / C : Ceiling limit

OSHA Z-1 / TWA : 8-hour time weighted average OSHA Z-3 / TWA : 8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB -Very Persistent and Very Bioaccumulative

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