

MasterSeal P 173

Version 2.0 Revision Date: 12/31/2020 SDS Number: 000000244204 Date of last issue: 05/29/2020
Date of first issue: 05/29/2020

SECTION 1. IDENTIFICATION

Product name : MasterSeal P 173
Product code : 000000000050601195 000000000050601195

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**

Flammable liquids : Category 2
Skin corrosion/irritation : Category 2
Serious eye damage/eye irritation : Category 2A
Reproductive toxicity : Category 2
Specific target organ toxicity - single exposure : Category 3 (Narcotic effects)
Specific target organ toxicity - repeated exposure : Category 2 (Central nervous system)
Short-term (acute) aquatic hazard : Category 2
Long-term (chronic) aquatic hazard : Category 3

GHS label elements

Hazard pictograms :



MasterSeal P 173

Version 2.0 Revision Date: 12/31/2020 SDS Number: 000000244204 Date of last issue: 05/29/2020
Date of first issue: 05/29/2020

Disposal:

P501 Dispose of contents/container to appropriate hazardous waste collection point.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : polymers
organic solvents

Components

Chemical name	CAS-No.	Concentration (% w/w)
toluene	108-88-3	>= 25 - < 50
1-methoxy-2-propylacetate	108-65-6	>= 15 - < 20
calcium oxide	1305-78-8	>= 1 - < 3
xylene	1330-20-7	>= 1 - < 3

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this material safety data sheet to the doctor in attendance.
Symptoms of poisoning may appear several hours later.
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 skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.
Do NOT induce vomiting.
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 : Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Suspected of damaging the unborn child.

MasterSeal P 173

Version 2.0 Revision Date: 12/31/2020 SDS Number: 000000244204 Date of last issue: 05/29/2020
Date of first issue: 05/29/2020

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- 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.
For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.
-

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
- 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 : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
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SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).
Use only explosion-proof equipment.
Keep away from open flames, hot surfaces and sources of ignition.
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MasterSeal P 173

Version 2.0 Revision Date: 12/31/2020 SDS Number: 000000244204 Date of last issue: 05/29/2020
 Date of first issue: 05/29/2020

- Advice on safe handling : Avoid formation of aerosol.
 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 application area.
 Take precautionary measures against static discharges.
 Provide sufficient air exchange and/or exhaust in work rooms.
 Open drum carefully as content may be under pressure.
 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 : no smoking
 Keep container tightly closed in a dry and well-ventilated place.
 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 storage conditions : Keep container tightly closed and in a well-ventilated place.
 Keep away from heat.
 Avoid all sources of ignition: heat, sparks, open flame.
- Materials to avoid : Segregate from foods and animal feeds.
- Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
toluene	108-88-3	TWA value	20 ppm	ACGIHTLV
		REL value	100 ppm 375 mg/m ³	NIOSH
		STEL value	150 ppm 560 mg/m ³	NIOSH
		TWA value	100 ppm 375 mg/m ³	29 CFR 1910.1000 (Table Z-1-A)
		STEL value	150 ppm 560 mg/m ³	29 CFR 1910.1000 (Table Z-1-A)

SAFETY DATA SHEET

MasterSeal P 173

Version 2.0 Revision Date: 12/31/2020 SDS Number: 000000244204 Date of last issue: 05/29/2020
 Date of first issue: 05/29/2020

		max. conc.	500 ppm	29 CFR 1910.1000 (Table Z-2)
		CLV	300 ppm	29 CFR 1910.1000 (Table Z-2)
		TWA value	200 ppm	29 CFR 1910.1000 (Table Z-2)
		TWA	20 ppm	ACGIH
		TWA	100 ppm 375 mg/m3	NIOSH REL
		ST	150 ppm 560 mg/m3	NIOSH REL
		TWA	200 ppm	OSHA Z-2
		CEIL	300 ppm	OSHA Z-2
		Peak	500 ppm (10 minutes)	OSHA Z-2
		TWA	100 ppm 375 mg/m3	OSHA P0
		STEL	150 ppm 560 mg/m3	OSHA P0
calcium oxide	1305-78-8	TWA value	2 mg/m3	ACGIHTLV
		REL value	2 mg/m3	NIOSH
		PEL	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	2 mg/m3	ACGIH
		TWA	2 mg/m3	NIOSH REL
		TWA	5 mg/m3	OSHA Z-1
		TWA	5 mg/m3	OSHA P0
xylene	1330-20-7	TWA value	100 ppm	ACGIHTLV
		STEL value	150 ppm	ACGIHTLV
		PEL	100 ppm 435 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value	100 ppm 435 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		STEL value	150 ppm 655 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		REL value	100 ppm 435 mg/m3	NIOSH
		STEL value	150 ppm 655 mg/m3	NIOSH
		TWA	100 ppm 435 mg/m3	OSHA Z-1
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH

MasterSeal P 173

Version 2.0 Revision Date: 12/31/2020 SDS Number: 000000244204 Date of last issue: 05/29/2020
 Date of first issue: 05/29/2020

		STEL	150 ppm 655 mg/m ³	OSHA P0
		TWA	100 ppm 435 mg/m ³	OSHA P0

Engineering measures : No applicable information available.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

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
Wear face-shield and protective suit for abnormal processing problems.

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 : Avoid inhalation of dusts/mists/vapours.
Avoid contact with the skin, eyes and clothing.
Avoid prolonged and/or repeated contact with the skin.
Handle in accordance with good building materials hygiene and safety practice.

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 : amber

Odor : strong, solvent

pH : Not applicable

Freezing point : No data available

Boiling point : approx. 232.00 - 484.00 °F / 111.11 - 251.11 °C

Flash point : 64.99 °F / 18.33 °C

MasterSeal P 173

Version 2.0 Revision Date: 12/31/2020 SDS Number: 000000244204 Date of last issue: 05/29/2020
Date of first issue: 05/29/2020

Evaporation rate : No applicable information available.

Flammability (solid, gas) : Highly flammable.

Upper explosion limit / Upper flammability limit : 7.1 %(V)

Lower explosion limit / Lower flammability limit : 1.0 %(V)

Vapor pressure : No data available

Relative vapor density : Heavier than air.

Relative density : No applicable information available.

Density : approx. 1.07 g/cm³ (68 °F / 20 °C)

Solubility(ies)
Water solubility : insoluble (68 °F / 20 °C)

Solubility in other solvents : No applicable information available.

Partition coefficient: n-octanol/water : No applicable information available.

Autoignition temperature : No data available

Decomposition temperature : Vapors may form explosive mixture with air.
No decomposition if stored and handled as prescribed/indicated.

Viscosity
Viscosity, kinematic : > 60 mm²/s (104 °F / 40 °C)

Explosive properties : Not explosive
Not explosive

Oxidizing properties : not fire-propagating

Sublimation point : No applicable information available.

Molecular weight : No applicable information 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.

MasterSeal P 173

Version	Revision Date:	SDS Number:	Date of last issue: 05/29/2020
2.0	12/31/2020	000000244204	Date of first issue: 05/29/2020

tions	Vapors may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: No hazardous decomposition products if stored and handled as prescribed/indicated.

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

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization**Skin sensitization**

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Suspected of damaging the unborn child.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration hazard expected.

MasterSeal P 173

Version 2.0 Revision Date: 12/31/2020 SDS Number: 000000244204 Date of last issue: 05/29/2020
Date of first issue: 05/29/2020

Further information**Product:**

Remarks : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Concentrations substantially above the TLV value may cause narcotic effects.
Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:****Ecotoxicology Assessment**

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Persistence and degradability

No data available

Bioaccumulative potential**Product:**

Bioaccumulation : Species: orfe, golden
Bioconcentration factor (BCF): 90
Exposure time: 3 d
Concentration: 0.05 mg/l
Remarks: Information taken from reference works and the literature.

Components:**toluene:**

Partition coefficient: n-octanol/water : log Pow: 2.73 (68 °F / 20 °C)
pH: 7
Method: other (measured)
GLP: no data
Remarks: Information taken from reference works and the literature.

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

MasterSeal P 173

Version	Revision Date:	SDS Number:	Date of last issue: 05/29/2020
2.0	12/31/2020	000000244204	Date of first issue: 05/29/2020

Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.
The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

- Waste from residues : Dispose of in accordance with national, state and local regulations.
Do not contaminate ponds, waterways or ditches with chemical or used container.
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 substance/product.
Do not burn, or use a cutting torch on, the empty drum.
-

SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

UN number : UN 1263
Proper shipping name : PAINT
Class : 3
Packing group : II
Labels : 3

IATA-DGR

UN/ID No. : UN 1263
Proper shipping name : PAINT
Class : 3
Packing group : II
Labels : Flammable Liquids
Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : 353

IMDG-Code

UN number : UN 1263
Proper shipping name : PAINT

Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-E
Marine pollutant : no

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

Not applicable for product as supplied.

MasterSeal P 173

Version Revision Date: SDS Number: Date of last issue: 05/29/2020
 2.0 12/31/2020 000000244204 Date of first issue: 05/29/2020

Domestic regulation**49 CFR**

UN/ID/NA number : UN 1263
 Proper shipping name : PAINT

 Class : 3
 Packing group : II
 Labels : FLAMMABLE LIQUID
 ERG Code : 128
 Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
toluene	108-88-3	1000	2896
xylene	1330-20-7	100	4409

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

toluene 108-88-3

 xylene 1330-20-7

 ethylbenzene 100-41-4

US State Regulations**Pennsylvania Right To Know**

toluene 108-88-3
 calcium oxide 1305-78-8
 xylene 1330-20-7

New Jersey Right To Know

toluene 108-88-3
 calcium oxide 1305-78-8
 xylene 1330-20-7
 ethylbenzene 100-41-4

California Prop. 65

WARNING: This product can expose you to chemicals including ethylbenzene, which is/are known to the State of California to cause cancer, and toluene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

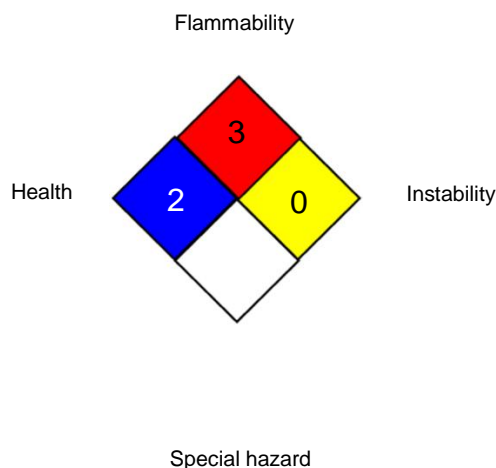
MasterSeal P 173

Version 2.0 Revision Date: 12/31/2020 SDS Number: 000000244204 Date of last issue: 05/29/2020
 Date of first issue: 05/29/2020

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

TSCA : All chemical substances in this product are either listed as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

DSL : All components of this product are on the Canadian DSL

SECTION 16. OTHER INFORMATION**Further information****NFPA 704:****HMIS® IV:**

HEALTH		
FLAMMABILITY		
PHYSICAL HAZARD		

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

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

29 CFR 1910.1000 (Table Z-2) : OSHA Table Z-2 (Toxic and Hazardous Substances) 29 CFR 1910.1000

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIHTLV : American Conference of Governmental Industrial Hygienists - threshold limit values (US)

NIOSH : NIOSH Pocket Guide to Chemical Hazards (US)

NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

OSHA Z-2 : USA. Occupational Exposure Limits (OSHA) - Table Z-2

29 CFR 1910.1000 (Table Z-1-A) / STEL value : Short Term Exposure Limit (STEL):

29 CFR 1910.1000 (Table Z-1-A) / TWA value : Time Weighted Average (TWA):

MasterSeal P 173

Version	Revision Date:	SDS Number:	Date of last issue: 05/29/2020
2.0	12/31/2020	000000244204	Date of first issue: 05/29/2020

29 CFR 1910.1000 (Table Z-1) / PEL : Permissible exposure limit

29 CFR 1910.1000 (Table Z-2) / CLV : Ceiling Limit Value:

29 CFR 1910.1000 (Table Z-2) / TWA value : Time Weighted Average (TWA):

29 CFR 1910.1000 (Table Z-2) / max. conc. : Maximum concentration:

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 / STEL value : Short Term Exposure Limit (STEL):

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek

NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday

OSHA P0 / TWA : 8-hour time weighted average

OSHA P0 / STEL : Short-term exposure limit

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

OSHA Z-2 / TWA : 8-hour time weighted average

OSHA Z-2 / CEIL : Acceptable ceiling concentration

OSHA Z-2 / Peak : Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift

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 Sub-

MasterSeal P 173

Version	Revision Date:	SDS Number:	Date of last issue: 05/29/2020
2.0	12/31/2020	000000244204	Date of first issue: 05/29/2020

stance 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

Revision Date : 12/31/2020

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