

SAFETY DATA SHEET

According to 13 December 2014, No:29204, "Ministry of Environment and Urbanization; Regulation on Safety data sheets regarding hazardous substances and mixtures; Part I".

MasterSeal P 681 PART B

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	31.12.2020	000000255825	Date of first issue: 31.12.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : MasterSeal P 681 PART B
Product code : 000000000050255807

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

Use of the Sub-stance/Mixture : Product for construction chemicals
Recommended restrictions on use : Industrial use, Professional use, Consumer use

1.3 Details of the supplier of the safety data sheet

Company : Master Builders Solutions
Yapı Kimyasalları Sanayi ve Ticaret Ltd.
Sti.,
Ataşehir Kuzey, C Kapısı 3E/ 5-12
34746 İstanbul, Turkey
Telephone : +902162178800
Telefax : +902162178800
E-mail address of person responsible for the SDS : mabas-eb@mbcc-group.com

1.4 Emergency telephone

Acil İlk Yardım Merkezi: 112 Ulusal Zehir Danışma Merkezi: 114 İtfaiye: 110

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification T.R. SEA No 28848

Acute toxicity, Category 4	H302: Harmful if swallowed.
Skin corrosion/irritation, Category 1A	H314: Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1	H318: Causes serious eye damage.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements


Labeling T.R. SEA No 28848

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- Hazard pictograms : 
- Signal Word : Danger
- Hazard Statements : H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.
- Precautionary Statements : **Prevention:**
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P260 Do not breathe dust or mist.
P273 Avoid release to the environment.
P272 Contaminated work clothing should not be allowed out of the workplace.
P270 Do not eat, drink or smoke when using this product.
P264 Wash face, hands and any exposed skin thoroughly after handling.
- Response:**
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/ doctor/
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P362 + P364 Take off contaminated clothing and wash it before reuse.
- Storage:**
P405 Store locked up.
- Disposal:**
P501 Dispose of contents/container to appropriate hazardous waste collection point.

Hazardous ingredients which must be listed on the label:

Trimethylhexane-1,6-diamine

3-aminomethyl-3,5,5-trimethylcyclohexylamine

2.3 Other hazards

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : polyamine modified

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2 202-013-9 603-069-00-0	Acute Tox.4; H302 Skin Irrit.2; H315 Eye Irrit.2; H319 Aquatic Chronic3; H412	>= 3 - < 5
Benzyl alcohol	100-51-6 202-859-9 603-057-00-5	Acute Tox.4; H302 Acute Tox.4; H332 Eye Irrit.2; H319	>= 20 - < 25
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2 220-666-8 612-067-00-9	Acute Tox.4; H302 Acute Tox.4; H312 Skin Corr.1B; H314 Eye Dam.1; H318 Skin Sens.1; H317 Aquatic Chronic3; H412	>= 5 - < 7
Trimethylhexane-1,6-diamine	25620-58-0	Acute Tox.4; H302 Skin Corr.1A; H314 Eye Dam.1; H318 Skin Sens.1A; H317 Aquatic Chronic3; H412	>= 25 - < 50

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice : First aid personnel should pay attention to their own safety.
Change contaminated clothing and shoes.
Keep patient calm, remove to fresh air, seek medical attention.
Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.

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- Do not leave the victim unattended.
- If inhaled : If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention. Remove the affected individual into fresh air and keep the person calm.
- If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : After contact with skin, wash immediately with plenty of water and soap. Immediate medical attention required.
- Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Flush with copious amounts of water for at least 15 minutes. Immediate medical attention required.
- Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
Do not induce vomiting unless told to by a poison control center or doctor.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam
Water spray

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Dry powder
Carbon dioxide (CO₂)

Unsuitable extinguishing media : water jet

High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Evolution of fumes/fog.
In case of fire hazardous decomposition products may be produced such as:

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

Hazardous combustion products : harmful vapours

5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear a self-contained breathing apparatus.

Wear self-contained breathing apparatus for firefighting if necessary.

Further information : The degree of risk is governed by the burning substance and the fire conditions.
Containers may rocket or explode in heat of fire.
Contaminated extinguishing water must be disposed of in accordance with official regulations.

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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Do not breathe vapour/aerosol/spray mists.
Wear eye/face protection.
If exposed to high vapour concentration, leave area immediately.
Use personal protective clothing.
Use personal protective equipment.

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6.2 Environmental precautions

Environmental precautions : Contain contaminated water/firefighting water.
Do not discharge into drains/surface waters/groundwater.

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.

6.3 Methods and material for containment and cleaning up

Methods for 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.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid aerosol formation.
Avoid inhalation of dusts/mists/vapours.
Keep container tightly sealed.
No special measures necessary provided product is used correctly.
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.
To avoid spills during handling keep bottle on a metal tray.
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.

Advice on protection against fire and explosion : The product is combustible.

Normal measures for preventive fire protection.

Hygiene measures : When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).
When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

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7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed 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 : Containers should be stored tightly sealed in a dry place. Keep away from heat. Keep only in the original container.
- Advice on common storage : Segregate from foods and animal feeds.
Segregate from oxidants.
Segregate from alkalies and alkalizing substances.
Segregate from strong acids.
- Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

- Specific use(s) : For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

- Eye protection : Safety glasses/face shield
Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.
- Hand protection
- Remarks : Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. Manufacturer's directions for use should be observed because of great diversity of types. The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Skin and body protection : protective overalls, heavy materials
acid- resp. lye-proof apron, e.g. of rubber (f.e. according to EN 14605)
Impervious clothing

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

Respiratory protection : Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Protective measures : Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Color	: colorless
Odor	: amine-like, ammonia-like
pH	: No data available
Melting temperature	: No data available
boiling temperature	: > 200 °C
Flash point	: > 100 °C
Evaporation rate	: not determined
Flammability (solid, gas)	: not determined
Lower explosion limit / Lower flammability limit	: dropped
Vapor pressure	: No data available
Relative vapor density	: not determined
Density	: approx. 1,01 g/cm ³ (20 °C) approx. 0,97 g/cm ³ (55 °C)
Bulk density	: Not applicable
Solubility(ies)	
Water solubility	: emulsifiable
Partition coefficient: n-octanol/water	: not applicable for mixtures
Autoignition temperature	: No data available
Decomposition temperature	: No decomposition if used as directed.
Viscosity	
Viscosity, dynamic	: 700 mPa.s (20 °C)
Explosive properties	: Not explosive

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Not explosive

Oxidizing properties : not fire-propagating

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : The product is stable if stored and handled as prescribed/indicated.
No decomposition if stored and applied as directed.

10.4 Conditions to avoid

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

10.5 Incompatible materials

Materials to avoid : Oxidizing agents
strong alkalies
Strong acids

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if swallowed.

Skin corrosion/irritation

Causes severe burns.

Serious eye damage/eye irritation

Causes serious eye damage.

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Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

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

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Components:

Trimethylhexane-1,6-diamine:

No aspiration hazard expected.

Further information

Product:

Remarks : Health injuries are not known or expected under normal use. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

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

Components:

Trimethylhexane-1,6-diamine:

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Toxicity to fish : LC0 (golden orfe): 150 mg/l
Exposure time: 48 h
Test Type: static
Analytical monitoring: no
Method: other

LC50 (golden orfe): 172 mg/l
Exposure time: 48 h
Test Type: static
Analytical monitoring: no
Method: other

LC50 (zebra fish): 1.000 mg/l
Exposure time: 96 h
Method: other

LC50 (golden orfe): 174 mg/l
Exposure time: 48 h
Method: Fish test acute

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): 31,5 mg/l
Exposure time: 24 h
Analytical monitoring: no
Method: other

EC50 (Daphnia magna): 31,5 mg/l
Exposure time: 24 h
Method: other

Toxicity to algae/aquatic plants : EC10 (green algae): 16,3 mg/l
End point: Growth rate
Exposure time: 72 h
Analytical monitoring: no
Method: other

EC50 (green algae): 29,5 mg/l
End point: Growth rate
Exposure time: 72 h
Analytical monitoring: no
Method: other

other (green algae): 53,6 mg/l
End point: Growth rate
Exposure time: 72 h
Analytical monitoring: no
Method: other

EC50 (green algae): 43,5 mg/l
End point: Growth rate
Exposure time: 72 h
Method: Algae, Growth Inhibition Test

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No observed effect concentration (green algae): 16 mg/l
End point: Growth rate
Exposure time: 72 h
Method: Algae, Growth Inhibition Test

Toxicity to microorganisms : EC10 (bacterium): 1.469 mg/l
Exposure time: 17 h
Test Type: aquatic
Analytical monitoring: no
Method: other

EC10 (bacterium): 72 mg/l
Exposure time: 17 h
Test Type: aquatic
Analytical monitoring: no
Method: other

EC50 (bacterium): > 10.000 mg/l
Exposure time: 17 h
Test Type: aquatic
Analytical monitoring: no
Method: other

EC50 (bacterium): 89 mg/l
Exposure time: 17 h
Test Type: aquatic
Analytical monitoring: no
Method: other

Toxicity to fish (Chronic toxicity) : No observed effect concentration: 10,9 mg/l
Exposure time: 34 d
Species: Fish
Method: Fish, Early-Life Stage Toxicity Test

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No observed effect concentration: 1,02 mg/l
Exposure time: 21 d
Species: Daphnia magna
Method: Daphnia magna, Reproduction Test.

Toxicity to soil dwelling organisms : No observed effect concentration: 1.000 mg/kg
Exposure time: 28 d
Species: soil dwelling microorganisms
Method: Soil Microorganisms: Nitrogen Transformation Test

No observed effect concentration: 1.000 mg/kg
Exposure time: 28 d
Species: Eisenia foetida
Method: Earthworm Reproduction Test

12.2 Persistence and degradability

Product:

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Biodegradability : Remarks: Taking into consideration the properties of several ingredients, the product is estimated not to be readily biodegradable according to OECD classification.

12.3 Bioaccumulative potential

Components:

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Partition coefficient: n-octanol/water : log Pow: 0,99 (23 °C)
pH: 6,3
Method: Partition coefficient
GLP: no

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects

Product:

Additional ecological information : The product has not been tested. The statement has been derived from the properties of the individual components.

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

13.1 Waste treatment methods

Product : Observe national and local legal requirements.

The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

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SECTION 14: Transport information

14.1 UN number

ADN	:	UN 2735
ADR	:	UN 2735
RID	:	UN 2735
IMDG	:	UN 2735
IATA	:	UN 2735

14.2 UN proper shipping name

ADN	:	AMINES, LIQUID, CORROSIVE, N.O.S. (TRIMETHYLHEXANE-1,6-DIAMINE, 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE)
ADR	:	AMINES, LIQUID, CORROSIVE, N.O.S. (TRIMETHYLHEXANE-1,6-DIAMINE, 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE)
RID	:	AMINES, LIQUID, CORROSIVE, N.O.S. (TRIMETHYLHEXANE-1,6-DIAMINE, 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE)
IMDG	:	AMINES, LIQUID, CORROSIVE, N.O.S. (TRIMETHYLHEXANE-1,6-DIAMINE, 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE)
IATA	:	AMINES, LIQUID, CORROSIVE, N.O.S. (TRIMETHYLHEXANE-1,6-DIAMINE, 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE)

14.3 Transport hazard class(es)

ADN	:	8
ADR	:	8
RID	:	8
IMDG	:	8
IATA	:	8

14.4 Packing group

ADN	:	
Packing group	:	II
Labels	:	8
ADR	:	
Packing group	:	II
Hazard Identification Number	:	80
Labels	:	8
Tunnel restriction code	:	(E)

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RID

Packing group : II
Hazard Identification Number : 80
Labels : 8

IMDG

Packing group : II
Labels : 8
EmS Code : F-A, S-B

IATA (Cargo)

Packing instruction (cargo aircraft) : 855
Packing group : II
Labels : Corrosive

IATA (Passenger)

Packing instruction (passenger aircraft) : 851
Packing group : II
Labels : Corrosive

14.5 Environmental hazards

ADN

Environmentally hazardous : no

ADR

Environmentally hazardous : no

RID

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 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.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations:

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

If other regulatory information applies that is not already provided elsewhere in this safety data

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sheet, then it is described in this subsection.

15.2 Chemical Safety Assessment

Chemical Safety Assessment not required

SECTION 16: Other information

Full text of H-Statements

H302	:	Harmful if swallowed.
H312	:	Harmful in contact with skin.
H314	:	Causes severe skin burns and eye damage.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H332	:	Harmful if inhaled.
H412	:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Hazardous to the aquatic environment - chronic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Skin Corr.	:	Skin corrosion
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitization

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; 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; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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

SAFETY DATA SHEET

According to 13 December 2014, No:29204, "Ministry of Environment and Urbanization; Regulation on Safety data sheets regarding hazardous substances and mixtures; Part I".



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es; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; 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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