

# 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".

## MasterTop TC 485W RAL7040 PTB

Version	Revision Date:	SDS Number:	Date of last issue: -
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : MasterTop TC 485W RAL7040 PTB  
Product code : 000000000050284586

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

Use of the Substance/Mixture : Product for construction chemicals

#### 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](mailto:mabas-eb@mbcc-group.com)

#### 1.4 Emergency telephone

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

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification T.R. SEA No 28848

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic 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 : H226 Flammable liquid and vapour.  
H318 Causes serious eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.
- Precautionary Statements : **Prevention:**  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P273 Avoid release to the environment.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take action to prevent static discharges.  
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P264 Wash face, hands and any exposed skin thoroughly after handling.  
P233 Keep container tightly closed.  
P240 Ground and bond container and receiving equipment.  
P242 Use only non-sparking tools.
- 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.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.  
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
- Storage:**  
P403 + P235 Store in a well-ventilated place. Keep cool.
- Disposal:**  
P501 Dispose of contents/container to appropriate hazardous waste collection point.

Hazardous ingredients which must be listed on the label:

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propan-2-ol  
m-Phenylenebis(methylamine)  
modified Isophoronediamine  
3-aminomethyl-3,5,5-trimethylcyclohexylamine  
Linseed oil, polymer with bisphenol A, bisphenol A diglycidyl ether, diethylenetriamine, formaldehyde, glycidyl Ph ether and pentaethylenehexamine

### 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.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Blend based on:  
polyamine  
modified

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Aliphatic polyamine	Not Assigned	Aquatic Acute1; H400 Aquatic Chronic1; H410	< 10
propan-2-ol	67-63-0 200-661-7 603-117-00-0	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	>= 5 - < 7
Linseed oil, polymer w/ bis-A, bis-A diglycidyl ether, diethylenetriamine, formaldehyde, glycidyl Ph ether, pentaethylenehexamine	68915-81-1	Skin Irrit.2; H315 Eye Dam.1; H318	< 5
m-Phenylenebis(methylamine)	1477-55-0 216-032-5	Acute Tox.4; H302 Acute Tox.4; H332 Skin Corr.1B; H314 Eye Dam.1; H318 Skin Sens.1B; H317 EUH071	>= 0,2 - < 3
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	>= 0,2 - < 3

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		Skin Sens.1; H317 Aquatic Chronic3; H412	
Substances with a workplace exposure limit :			
dichromium trioxide	1308-38-9 215-160-9		>= 0 - < 15
Chrome antimony titanium buff rutile	68186-90-3 269-052-1 051-003-00-9		>= 0 - < 15
Cobalt chromite blue green spinel	68187-11-1 269-072-0		>= 0 - < 10

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.  
Remove contaminated clothing.
- If inhaled : Remove the affected individual into fresh air and keep the person calm.  
If breathing difficulties develop, aid in breathing and seek immediate medical attention.
- In case of skin contact : After contact with skin, wash immediately with plenty of water and soap.  
Under no circumstances should organic solvent be used.  
If irritation develops, seek medical attention.
- In case of eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : Rinse mouth and then drink 200-300 ml of water.  
Do not induce vomiting due to aspiration hazard.  
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

- Risks : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye damage.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Dry powder  
Alcohol-resistant foam

Unsuitable extinguishing media : water jet

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : harmful vapours  
nitrogen oxides  
fumes/smoke  
carbon black

#### 5.3 Advice for firefighters

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

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.  
Keep containers cool by spraying with water if exposed to fire.  
Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.  
Contaminated extinguishing water must be disposed of in accordance with official regulations.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective clothing.  
Avoid prolonged inhalation.  
Avoid contact with the skin, eyes and clothing.  
Avoid all sources of ignition: heat, sparks, open flame.

#### 6.2 Environmental precautions

Environmental precautions : Prevent spread over a wide area (e.g. by containment or oil barriers).  
Contain contaminated water/firefighting water.  
Do not discharge into drains/surface waters/groundwater.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Pick up with inert absorbent material (e.g. sand, earth etc.).  
Correctly dispose of recovered product immediately.

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### 6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Provide good room ventilation even at ground level (vapours are heavier than air).
- Advice on protection against fire and explosion : Sources of ignition should be kept well clear. Take precautionary measures against static discharges. Substance/product can form explosive mixture with air. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.
- 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).

### 7.2 Conditions for safe storage, including any incompatibilities

- 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.
- Advice on common storage : Segregate from metals.  
Segregate from lyes.  
Segregate from oxidants.  
Segregate from foods and animal feeds.

### 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

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
dichromium trioxide	1308-38-9	TWA (8 Hour)	2 mg/m <sup>3</sup> (chromium)	TR OEL
		TWA	2 mg/m <sup>3</sup> (chromium)	2006/15/EC
	Further information: Indicative			
		TWA value	2 mg/m <sup>3</sup>	OEL (TR)

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Titanium dioxide	13463-67-7	MAC	15 mg/m3	MAK (TR)
talc	14807-96-6	TWA (Respirable dust)	0,1 mg/m3	2004/37/EC
Further information: Carcinogens or mutagens				
			2 mg/m3	Recommendation of BASF
Further information: (suspended value of TRGS 900, dated 8/2005)				
Chrome antimony titanium buff rutile	68186-90-3	TWA value	2 mg/m3	OEL (TR)
Cobalt chromite blue green spinel	68187-11-1	TWA (8 Hour)	2 mg/m3 (chromium)	TR OEL
		TWA	2 mg/m3 (chromium)	2006/15/EC
Further information: Indicative				
		TWA value	2 mg/m3	OEL (TR)

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Tightly fitting safety goggles (splash goggles) (e.g. EN 166)  
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.

Skin and body protection : Body protection must be chosen based on level of activity and exposure.

Respiratory protection : Antistatic apron  
Respiratory protection in case of vapour/aerosol release.  
Suitable respiratory protection for higher concentrations or long-term effect:  
Gas filter for gases/vapours of organic compounds (boiling point <65 °C, f.e. EN 14387 Type AX)

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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid  
Color : various, depending on the colourant  
Odor : characteristic  
pH : neutral to slightly alkaline

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Melting point	:	No data available
Boiling point	:	> 82 °C
Flash point	:	42 °C Method: Flashpoint test using closed cup, determination of flashpoint.
Flammability (solid, gas)	:	Flammable.
Vapor pressure	:	No data available
Density	:	1,4 g/cm <sup>3</sup> (20 °C)
Bulk density	:	not applicable
Solubility(ies)	:	
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	not applicable
Autoignition temperature	:	No data available
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity	:	
Viscosity, dynamic	:	approx. 5.000 mPa.s (20 °C)
Explosive properties	:	Not explosive Not explosive
Oxidizing properties	:	not fire-propagating

### 9.2 Other information

Metal corrosion rate	:	No corrosive effect on metal.
Self-ignition	:	not self-igniting

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2 Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	The product is stable if stored and handled as prescribed/indicated.
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### 10.4 Conditions to avoid

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

### 10.5 Incompatible materials

Materials to avoid : Strong acids  
Strong bases  
Strong oxidizing agents

### 10.6 Hazardous decomposition products

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

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye irritation

Causes serious eye damage.

#### 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.

#### **Product:**

not applicable, Study not necessary due to exposure considerations.

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### Further information

#### Product:

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

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

#### Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

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

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

##### propan-2-ol:

Partition coefficient: n-octanol/water : log Pow: 0,05  
Remarks: Information taken from reference works and the literature.

##### m-Phenylenebis(methylamine):

Partition coefficient: n-octanol/water : log Pow: 0,18 (25 °C)  
pH: 10,3 - 10,4  
Method: Partition coefficient (n-octanol/water), Shake-flask method  
GLP: yes

##### 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

##### dichromium trioxide:

Partition coefficient: n-octanol/water : Remarks: The value has not been determined because the substance is inorganic.

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### Chrome antimony titanium buff rutile:

Partition coefficient: n-octanol/water : GLP: no  
Remarks: The value has not been determined because the substance is inorganic.

### Cobalt chromite blue green spinel:

Partition coefficient: n-octanol/water : Remarks: Study scientifically not justified.

### 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 : Do not allow to enter soil, waterways or waste water channels.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Observe national and local legal requirements.  
The waste code in accordance with the European waste catalog (EWC) must be specified in cooperation with disposal agency/manufacturer/authorities.  
Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## SECTION 14: Transport information

### 14.1 UN number

ADN : UN 1263  
ADR : UN 1263  
RID : UN 1263  
IMDG : UN 1263  
IATA : UN 1263

### 14.2 UN proper shipping name

ADN : PAINT  
(ISOPROPANOL, ALIPHATIC POLYAMINE)

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**ADR** : PAINT  
(ISOPROPANOL, ALIPHATIC POLYAMINE)

**RID** : PAINT  
(ISOPROPANOL, ALIPHATIC POLYAMINE)

**IMDG** : PAINT  
(ISOPROPANOL, ALIPHATIC POLYAMINE)

**IATA** : PAINT

### 14.3 Transport hazard class(es)

**ADN** : 3

**ADR** : 3

**RID** : 3

**IMDG** : 3

**IATA** : 3

### 14.4 Packing group

**ADN**  
Packing group : III  
Labels : 3

**ADR**  
Packing group : III  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : (D/E)

**RID**  
Packing group : III  
Hazard Identification Number : 30  
Labels : 3

**IMDG**  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E

**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 366  
Packing group : III  
Labels : Flammable Liquids

**IATA (Passenger)**  
Packing instruction (passenger aircraft) : 355  
Packing group : III  
Labels : Flammable Liquids

### 14.5 Environmental hazards

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### ADN

Environmentally hazardous : yes

### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

### 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.

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## 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.

### 15.2 Chemical Safety Assessment

Chemical Safety Assessment not required

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## SECTION 16: Other information

### Full text of H-Statements

EUH071	: Corrosive to the respiratory tract.
H225	: Highly flammable liquid and vapour.
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.
H336	: May cause drowsiness or dizziness.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

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Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	:	Hazardous to the aquatic environment - chronic hazard
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
Skin Corr.	:	Skin corrosion
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitization
STOT SE	:	Specific target organ toxicity - single exposure
2004/37/EC	:	Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
2006/15/EC	:	Europe. Indicative occupational exposure limit values
MAK (TR)	:	Maximum Allowable Concentration (Turkey)
OEL (TR)	:	Regulation on Protection of Health & Safety Measures from Risks related to Chemical Agents at Work (Turkey)
Recommendation of BASF	:	Recommendation of BASF
TR OEL	:	Turkey. Chemical Agents at Work - Annex I: Indicative occupational exposure limit values
2004/37/EC / TWA	:	Long term exposure limit
2006/15/EC / TWA	:	Limit Value - eight hours
MAK (TR) / MAC	:	Maximum allowable concentration:
OEL (TR) / TWA value	:	Time Weighted Average (TWA):
TR OEL / TWA (8 Hour)	:	Measured or calculated in relation to a reference period of eight-hour time-weighted average

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; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation,

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tion, 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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