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SECTION 1. IDENTIFICATION

Product name Product code	:	STAPA SDF 6-900 Aluminum Paste 025529A20
Manufacturer or supplier's d	leta	ils
Company name of supplier	:	ECKART America Corporation
Address	:	830 East Erie Street
		Painesville OH 44077
Telephone	:	866-458-7837
Telefax	:	(440) 354-6224
Emergency telephone	:	CHEMTREC: 800-424-9300
		CHEMTREC: 1-703-527-3387 (International)
		NCEC:
		(contract no. ECKART29003-NCEC)

(contract no. ECKART29003-NCEC) US: +1 866 928 0789 (Toll free) Canada: +1 800 579 7421 (Toll Free) Mexico: +52 55 5004 8763

SECTION 2. HAZARDS IDENTIFICATION

dan	ce with the OSHA Hazard Communication Standard (29 CFR
:	Category 2
:	Category 3 (Central nervous system)
:	
:	Warning
:	H315 Causes skin irritation. H336 May cause drowsiness or dizziness.
:	Prevention:P261Avoid breathing dust.P264Wash skin thoroughly after handling.P271Use only outdoors or in a well-ventilated area.
	: : : : .





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		P280	Wear protective gloves.
		Response:	
		P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
		P304 + P340 +	
		P332 + P313	If skin irritation occurs: Get medical advice/ attention.
		P362	Take off contaminated clothing and wash before reuse.
		Storage:	
		P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
		P405	Store locked up.
		Disposal:	
		P501	Dispose of contents/ container to an approved waste disposal plant.

Hazardous ingredients which must be listed on the label: Distillates (petroleum), hydrotreated light Solvent naphtha (petroleum), light arom.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Aluminum	7429-90-5	>= 50 - < 70
Distillates (petroleum), hydrotreated light	64742-47-8	>= 20 - < 30
Solvent naphtha (petroleum), light arom.	64742-95-6	>= 1 - < 5
Benzene, 1,2,4-trimethyl-	95-63-6	>= 1 - < 5
	95-63-6	

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

 General advice
 : Take the victim into fresh air.

 Do not leave the victim unattended.

 Move out of dangerous area.

 Show this material safety data sheet to the doctor in



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lf inha	aled		nysician after significant exposure. us, place in recovery position and seek medical			
In cas	se of skin contact	lf skin irritati If on skin, rir	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.			
In ca	se of eye contact	Flush eyes v Remove cor Keep eye wi	flush eye(s) with plenty of water. with water as a precaution. htact lenses. de open while rinsing. on persists, consult a specialist.			
lf swa	allowed	: Keep respira Do not give Never give a	atory tract clear. milk or alcoholic beverages. nything by mouth to an unconscious person. persist, call a physician.			
	important symptoms offects, both acute and ed	: Causes skin				

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Dry sand Special powder against metal fire
Unsuitable extinguishing media	:	Water Foam ABC powder Carbon dioxide (CO2)
Specific hazards during fire fighting	:	
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	:	Use personal protective equipment.
U		Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions,	:	Evacuate personnel to safe areas.
protective equipment and		Use personal protective equipment.
emergency procedures		Remove all sources of ignition.
		Use personal protective equipment.





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			Avoid dust forma	tion.
Envi	ronmental precautions	:		
			Prevent further le	rom entering drains. akage or spillage if safe to do so. ataminates rivers and lakes or drains inform ities.
	Methods and materials for containment and cleaning up		Use mechanical handling equipment. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).	
			Do not flush with water. Keep in suitable, closed containers for disposal.	
SECTION	N 7. HANDLING AND ST	OR	AGE	
	ice on protection against and explosion	:	ignition.	open flames, hot surfaces and sources of iners and apparatuses is essential.
			Avoid dust forma	tion.
Advi	ice on safe handling	:	Keep away from Avoid dust forma	heat and sources of ignition. tion

Advice on protection against fire and explosion	Keep away from open flames, hot surfaces and sources of ignition. Earthing of containers and apparatuses is essential.	
	Avoid dust formation.	
Advice on safe handling	 Keep away from heat and sources of ignition. Avoid dust formation. Ensure adequate ventilation. Avoid formation of respirable particles. 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. Provide sufficient air exchange and/or exhaust in work rooms Dispose of rinse water in accordance with local and national regulations 	5.
Conditions for safe storage	regulations. Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep container closed when not in use. Keep away from sources of ignition - No smoking. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.	



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		al es/Precautions Is to avoid	:	Never allow prod storage. Keep away from	5
		information on stability	:	No decompositic	n 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
Aluminum	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-3
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (respirable fraction)	5 mg/m3	OSHA Z-3
		TWA (respirable fraction)	15 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable particulate matter)	1 mg/m3	ACGIH
		TWA	5 mg/m3 (Aluminum)	NIOSH REL
		TWA (Total)	15 mg/m3 (Aluminum)	OSHA P0
		TWA (Respirable fraction)	5 mg/m3 (Aluminum)	OSHA P0
		TWA (total dust)	15 mg/m3 (Aluminum)	OSHA Z-1
		TWA	5 mg/m3	OSHA Z-1





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			(respirable fraction)	(Aluminum)	
			TWA (Total dust)	15 mg/m3 (Aluminum)	OSHA P0
			TWA (respirable dust fraction)	5 mg/m3 (Aluminum)	OSHA P0
			TWA (welding fumes)	5 mg/m3 (Aluminum)	NIOSH RE
			TWA (pyro powders)	5 mg/m3 (Aluminum)	NIOSH RE
			TWA (Respirable particulate matter)	1 mg/m3 (Aluminum)	ACGIH
			TWA (Fumes)	5 mg/m3	OSHA P0
	ates (petroleum), treated light	64742-47-8	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
			TWA	200 mg/m3 (total hydrocarbon vapor)	ACGIH
			TWA	400 ppm 1,600 mg/m3	OSHA P0
			TWA (Mist)	5 mg/m3	OSHA Z-1
			TWA (Mist)	5 mg/m3	OSHA P0
			TWA (Mist)	5 mg/m3	NIOSH RE
			ST (Mist)	10 mg/m3	NIOSH RE
Solve light a	ent naphtha (petroleum), arom.	64742-95-6	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
			TWA	200 mg/m3 (total hydrocarbon vapor)	ACGIH
			TWA	400 ppm 1,600 mg/m3	OSHA P0
Benze	ene, 1,2,4-trimethyl-	95-63-6	TWA	25 ppm 125 mg/m3	NIOSH RE
			TWA	25 ppm	ACGIH
			TWA	25 ppm 125 mg/m3	OSHA P0

Personal protective equipment

Respiratory protection

: Use suitable breathing protection if workplace concentration requires.

In the case of dust or aerosol formation use respirator with an

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	protection aterial	approved filter. : Solvent-resista	nt gloves
Re	emarks	concerning peri special workpla contact). The e the protective g Please observe breakthrough ti gloves. Also tal conditions unde danger of cuts, Recommended washed after co	e information given by the producer meability and break through times, and of ce conditions (mechanical strain, duration of xact break through time can be obtained from love producer and this has to be observed. The instructions regarding permeability and me which are provided by the supplier of the ke into consideration the specific local er which the product is used, such as the abrasion, and the contact time. preventive skin protection Skin should be ontact. The suitability for a specific workplace ussed with the producers of the protective
	protection and body protection		lothing rotection according to the amount and f the dangerous substance at the work place
Hygie	ene measures	When using do	not eat or drink. not smoke. fore breaks and at the end of workday.
	9. PHYSICAL AND C	HEMICAL PROPERTI	ES
Appe		. Fasty solid	

Appearance	•	Fasty Solid
Color	:	silver
Odor	:	characteristic
Odor Threshold	:	No data available
pН	:	substance/mixture is non-soluble (in water)
Melting point/freezing point	:	No data available
Initial boiling point and boiling	:	No data available
range		
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Combustible Solids
Auto-flammability	:	not auto-flammable
Burning number	:	4
-		- / / 0







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	r explosion limit / Upper nability limit	: No data avai	lable	
Lower	explosion limit / Lower nability limit	: No data avai	lable	
•	pressure	: No data avai		

Relative density	:	No data available
Solubility(ies)	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Explosive properties	:	Not explosive Vapors may form explosive mixture with air. Not explosive

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reactions	:	No decomposition if stored and applied as directed. No decomposition if stored and applied as directed. Reacts with alkalis, acids, halogenes and oxidizing agents. Contact with acids and alkalis may release hydrogen. Mixture reacts slowly with water resulting in evolution of hydrogen. Vapor/air-mixtures are explosive at intense warming. Stable under recommended storage conditions.
Conditions to avoid	:	Do not allow to dry. No data available
Incompatible materials	:	Acids Bases Oxidizing agents Highly halogenated compounds

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Components:

Solvent naphtha (petroleum), light arom.: Acute oral toxicity : LD50 (Rat): 3,492 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 3,160 mg/kg

Benzene, 1,2,4-trimethyl-:

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Acute	inhalation toxicity	: Assessment: T short term inha	he component/mixture is moderately toxic after lation.
-	corrosion/irritation es skin irritation.		
Com	ponents:		
Distil	lates (petroleum), hy It: Skin irritation	drotreated light:	
	us eye damage/eye i lassified based on ava		
<u>Com</u>	<u>ponents:</u>		
	lates (petroleum), hy It: No eye irritation	drotreated light:	
Resp	iratory or skin sensit	ization	
-	sensitization lassified based on ava	ilable information.	
-	iratory sensitization lassified based on ava	ilable information.	
	cell mutagenicity lassified based on ava	ilable information.	
<u>Com</u>	ponents:		
Germ	ent naphtha (petroleu cell mutagenicity - ssment	: Classified base	ed on benzene content < 0.1% (Regulation (EC) nex VI, Part 3, Note P)
	nogenicity lassified based on ava	ilable information.	
Com	ponents:		
Solve	ent naphtha (petroleu	m), light arom.:	
Carcii	nogenicity - ssment	: Classified base	ed on benzene content < 0.1% (Regulation (EC) nex VI, Part 3, Note P)
IARC	;	No ingredient of t	his product present at levels greater than or

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		aqual to 0.1% in i	dentified as probable, passible or confirmed
		human carcinoge	dentified as probable, possible or confirmed n by IARC.
OSHA			this product present at levels greater than or on OSHA's list of regulated carcinogens.
NTP			his product present at levels greater than or dentified as a known or anticipated carcinogen
-	oductive toxicity lassified based on ava	ailable information.	
	-single exposure		
•	cause drowsiness or c	lizziness.	
-	<u>oonents:</u>		
	lates (petroleum), hy ssment: May cause di	ydrotreated light: rowsiness or dizziness.	
	ent naphtha (petroleu ssment: May cause re		y cause drowsiness or dizziness.
Benzo	ene, 1,2,4-trimethyl-:		
Asses	ssment: The substand		ed as specific target organ toxicant, single n.
STOT	-repeated exposure		
Not cl	assified based on ava	ailable information.	
-	ation toxicity lassified based on ava	ailable information.	
<u>Com</u>	oonents:		
Distil	lates (petroleum), hy be fatal if swallowed a	-	
	ent naphtha (petroleu be fatal if swallowed a		
		10 /	





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Further information

TION 12. ECOLOGICAL INFO	
Ecotoxicity	
Components:	
Distillates (petroleum), hydr	otreated light:
Ecotoxicology Assessment	
Acute aquatic toxicity	: Harmful to aquatic life.
Chronic aquatic toxicity	: Harmful to aquatic life with long lasting effects.
Solvent naphtha (petroleum)	, light arom.:
Ecotoxicology Assessment	
Chronic aquatic toxicity	: Toxic to aquatic life with long lasting effects.
Benzene, 1,2,4-trimethyl-:	
Ecotoxicology Assessment	
Chronic aquatic toxicity	: Toxic to aquatic life with long lasting effects.
Persistence and degradabili	ty
Bioaccumulative potential	
No data available	
Other adverse effects	
No data available	

Disposal methods	
Waste from residues	: 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.
	In accordance with local and national regulations.
Contaminated packaging	: Empty remaining contents.
	Dispose of as unused product.
	Do not re-use empty containers.
	In accordance with local and national regulations.







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SECTION 14. TRANSPORT INFORMATION

Domestic regulation	
49 CFR	: Not classified as dangerous in the meaning of transport regulations.
International Regulations	
Remarks	: Not classified as dangerous in the meaning of transport regulations.
ADR	: Not classified as dangerous in the meaning of transport regulations.
IATA-DGR	: Not classified as dangerous in the meaning of transport regulations.
IMDG-Code	: Not classified as dangerous in the meaning of transport regulations.
	A DE ADE ADE IMPO OF LE IOAO/IATA DOD

Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ
		(lbs)
Benzene, dimethyl-	1330-20-7	100

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure)





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SARA	A 313	:	The following c established by			
			Aluminum		7429-90-5	>= 50 - < 70 %
			Benzene, 1,2,4	-trimethyl-	95-63-6	>= 1 - < 5 %
Clear	Air Act					
U.S. 0 This p Act S This p Accid	product neither contain Clean Air Act Section product does not cont ection 112 (40 CFR 6 product does not cont ental Release Preven ollowing chemical(s) a	602 (4) ain any 1). ain any tion (4)	0 CFR 82, Subp hazardous air p chemicals listed 0 CFR 68.130, S	t. A, App.A ollutants (H d under the Subpart F).	.+B). IAP), as define U.S. Clean Air	d by the U.S. Clean A Act Section 112(r) fo
	VOC's (40 CFR 60.48 Distillates (petrol hydrotreated ligh	9): eum),	64742-47-8		%	
	• Water Act ollowing Hazardous S A:	ubstar	nces are listed ur	nder the U.S	S. CleanWater	Act, Section 311, Tab
	Benzene, dimeth	yl-	1330-20-7		%	
The f	ollowing Hazardous C	hemica	als are listed und	ler the U.S	CleanWater A	ct, Section 311, Table
	-					
117.3	-	yl-	1330-20-7		%	
117.3 This p	:	ain any	v toxic pollutants		er the U.S. Clea	
117.3 This p This p	Benzene, dimeth	ain any	v toxic pollutants		er the U.S. Clea	
117.3 This p This p US S e	Benzene, dimeth oroduct does not cont oroduct does not cont tate Regulations achusetts Right To I	ain any ain any	v toxic pollutants		er the U.S. Clea o the U.S. Clea	n Water Act
117.3 This p This p US S e	Benzene, dimeth product does not cont product does not cont tate Regulations achusetts Right To I Aluminum	ain any ain any Know	y toxic pollutants y priority pollutan	ts related t	er the U.S. Clear o the U.S. Clear 7	n Water Act 429-90-5
117.3 This p This p US S e	Benzene, dimeth product does not cont product does not cont tate Regulations achusetts Right To I Aluminum Distillates (petrol	ain any ain any Know eum),	y toxic pollutants y priority pollutan	ts related t	er the U.S. Clea o the U.S. Clea 7 6	n Water Act 429-90-5 4742-47-8
117.3 This p This p US S e	Benzene, dimeth product does not cont product does not cont tate Regulations achusetts Right To I Aluminum	ain any ain any Know eum),	y toxic pollutants y priority pollutan	ts related t	er the U.S. Clea o the U.S. Clea 7 6	n Water Act 429-90-5
117.3 This p This p US St Mass	Benzene, dimeth product does not cont product does not cont tate Regulations achusetts Right To I Aluminum Distillates (petrol	ain any ain any Know eum), rimethy	y toxic pollutants y priority pollutan	ts related t	er the U.S. Clea o the U.S. Clea 7 6 9	n Water Act 429-90-5 4742-47-8
117.3 This p This p US St Mass	Benzene, dimeth broduct does not cont broduct does not cont tate Regulations achusetts Right To I Aluminum Distillates (petrol Benzene, 1,2,4-t sylvania Right To Ki	ain any ain any Know eum), rimethy now	y toxic pollutants y priority pollutan hydrotreated ligh	ts related t	er the U.S. Clea o the U.S. Clea 7 6 9 7	n Water Act 429-90-5 4742-47-8 5-63-6

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Benzene,	1,2,4-trimethyl-	95-63-6
Benzene,	dimethyl-	1330-20-7
Benzene,	(1-methylethyl)-	98-82-8

California Prop. 65



WARNING: This product can expose you to chemicals including lead and cadmium, 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.



WARNING: This product can expose you to chemicals including Distillates (petroleum), hydrotreated light, Benzene, (1-methylethyl)-, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.



WARNING: This product can expose you to chemicals including Benzene, (1methylethyl)-, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California List of Hazardous Substances Aluminum	7429-90-5
Distillates (petroleum), hydrotreated light	64742-47-8
Benzene, 1,2,4-trimethyl-	95-63-6
California Permissible Exposure Limits for Chemical Contaminants Aluminum	7429-90-5
Distillates (petroleum), hydrotreated light	64742-47-8
Benzene, 1,2,4-trimethyl-	95-63-6
The ingredients of this product are reported in the following invento DSL : All components of this product are on	

DSL	:	All components of this product are on the Canadian DSL
TSCA	:	All substances listed as active on the TSCA inventory

TSCA list

No substances are subject to a Significant New Use Rule.

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No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Full text of other abbreviat	ions	
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA PO	:	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-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
ACGIH / TWA	:	8-hour, time-weighted average
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 Z-1 / TWA	:	8-hour time weighted average
OSHA Z-3 / TWA	:	8-hour time weighted average
AIIC - Australian Inventory	of Ir	ndustrial Chemicals; ASTM - American Society for the Testing of
Materials; bw - Body weigh	t; CE	RCLA - Comprehensive Environmental Response, Compensation

of Comprehensive Environmental Respo 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



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- 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; TECI - Thailand Existing Chemicals 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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