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SECTION 1. IDENTIFICATION

Product name Product code	:	METALSTAR PANTONE 07-2872 GOLD US 045680MK0
Manufacturer or supplier's de	eta	ils
		ECKART America Corporation 830 East Erie Street Painesville OH 44077
Telephone	:	866-458-7837 (440) 954-7600
Telefax	:	(440) 354-6224
e-mail adresse	:	info.eckart.america.oh@altana.com
Emergency telephone	:	CHEMTREC: 800-424-9300
		CHEMTREC: 1-703-527-3387 (International)
		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

GHS classification in accord 1910.1200)	an	ce with the OSHA Hazard Communication	on Standard (29 CFR
Acute toxicity (Oral)	:	Category 4	
Eye irritation	:	Category 2A	
Skin sensitization	:	Category 1	
Reproductive toxicity	:	Category 2	
GHS label elements			
Hazard pictograms	:		
Signal Word	:	Warning	
Hazard Statements	:	H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.	
		1/18	mansher of O ALTAN







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		H361d Suspect	ted of damaging the unborn child.
Preca	autionary Statements	· Prevention:	
		P201	Obtain special instructions before use.
		P202	Do not handle until all safety precautions hav been read and understood.
		P261	Avoid breathing mist or vapors.
		P264	Wash skin thoroughly after handling.
		P270	Do not eat, drink or smoke when using this product.
		P272	Contaminated work clothing must not be allowed out of the workplace.
		P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
		Response:	
		P301 + P312 +	P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
		P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
		P305 + P351 +	
		P308 + P313	IF exposed or concerned: Get medical advice attention.
		P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
		P337 + P313	If eye irritation persists: Get medical advice/ attention.
		P363	Wash contaminated clothing before reuse.
		Storage:	
		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:

Copper Rosin, maleated, polymer with pentaerythritol 9-Octadecenoic acid (9Z)-, cobalt salt (1:?) Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester





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Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Copper	7440-50-8	>= 30 - < 50
White mineral oil (petroleum)	8042-47-5	>= 10 - < 20
Zinc	7440-66-6	>= 5 - < 10
Rosin, maleated, polymer with pentaerythritol	68333-69-7	>= 5 - < 10
9-Octadecenoic acid (9Z)-, cobalt salt (1:?)	14666-94-5	>= 0.1 - < 1
Propanoic acid, 2-methyl-, 1,1'-[2,2- dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester	6846-50-0	>= 0.1 - < 1

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	:	Take the victim into fresh air. Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later.
If inhaled	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	Wash off immediately with soap and plenty of water.
In case of eye contact	:	Immediately flush eye(s) with plenty of water.
,		Remove contact lenses.
		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	:	Harmful if swallowed.
and effects, both acute and		May cause an allergic skin reaction. Causes serious eye irritation.
delayed		Suspected of damaging the unborn child.
		ouspected of damaging the unborn child.





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SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Special powder against metal fire Dry sand ABC powder
Unsuitable extinguishing media	:	Water High volume water jet Carbon dioxide (CO2)
Specific hazards during fire fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Further information	:	Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, : protective equipment and emergency procedures	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Ensure adequate ventilation.
General advice :	The product should not be allowed to enter drains, water courses or the soil. 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.
Environmental precautions :	The product should not be allowed to enter drains, water courses or the soil. 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
Made to a large to the factor	respective authorities.
Methods and materials for : containment and cleaning up	Use mechanical handling equipment.
	Pick up and transfer to properly labeled containers. Do not flush with water. Contain spillage, and then collect with non-combustible







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		vermiculite)	naterial, (e.g. sand, earth, diatomaceous earth, and place in container for disposal according to nal regulations (see section 13).
		acid binder,	h inert absorbent material (e.g. sand, silica gel, universal binder, sawdust). able, closed containers for disposal.
SECTION	7. HANDLING AND ST	ORAGE	
	ce on protection against and explosion	: Keep away No smoking	from heat and sources of ignition.
		Normal mea	asures for preventive fire protection.
Advi	ce on safe handling	Avoid conta For persona Smoking, ea application	rinse water in accordance with local and national
Cond	ditions for safe storage	: Keep away Do not store	from sources of ignition - No smoking. e near combustible materials.

Do not store near compustible materials.
Keep containers tightly closed in a cool, well-ventilated place.
To maintain product quality, do not store in heat or direct
sunlight.
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. Electrical installations / working materials must comply with the technological safety standards. Protect from humidity and water. Technical : measures/Precautions Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Do not store together with oxidizing and self-igniting products. Further information on : No decomposition if stored and applied as directed. storage stability

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters





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Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Copper	7440-50-8	TWA	1 mg/m3 (Copper)	ACGIH
		TWA (dust	1 mg/m3	NIOSH REL
		and mists)	(Copper)	
		TWA	1 mg/m3	OSHA P0
			(Copper)	
		TWA	0.2 mg/m3	ACGIH
			(Copper)	
		TWA	0.1 mg/m3	OSHA P0
			(Copper)	
		TWA (Dust	1 mg/m3	ACGIH
		and mist)	(Copper)	
		TWA	0.2 mg/m3	ACGIH
		(Fumes)	(Copper)	
		TWA (Dust)	1 mg/m3	NIOSH REL
			(Copper)	
		TWA (Mist)	1 mg/m3	NIOSH REL
			(Copper)	
		TWA (dusts	1 mg/m3	OSHA Z-1
		and mists)	(Copper)	
		TWA	0.1 mg/m3	OSHA Z-1
		(Fumes)	(Copper)	0.0114.50
		TWA	0.1 mg/m3	OSHA P0
		(Fumes)	(Copper)	
		TWA (Dust	1 mg/m3	OSHA P0
	0040 47 5	and mist)	(Copper)	
White mineral oil (petroleum)	8042-47-5	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
Zinc	7440-66-6	TWA (total	50 Million	OSHA Z-3
		dust)	particles per cubic foot	
		TWA (total dust)	15 mg/m3	OSHA Z-3
		TWA (respirable fraction)	5 mg/m3	OSHA Z-3
		TWA	15 Million	OSHA Z-3
		(respirable	particles per cubic	

A member of **C ALTANA**

SAFETY DATA SHEET



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		fraction)	foot	
White mineral oil (petroleum)	8042-47-5	TWA	5 mg/m3	OSHA P0
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL

Personal protective equipment

Respiratory protection Hand protection Material	:	Use suitable breathing protection if workplace concentration requires. Equipment should conform to EN 14387 Solvent-resistant gloves (butyl-rubber)
Remarks	:	Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Recommended preventive skin protection Skin should be washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	:	Safety glasses Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	:	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures		General industrial hygiene practice. 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





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Color Odor Odor pH Meltir	Threshold ng point/freezing point g point/boiling range	 liquid gold characteristic No data availa substance/mix No data availa > 100 °C \$ 100 °C 	ture is non-soluble (in water)
Flamr Upper flamm Lower flamm Vapor	oration rate mability (solid, gas) r explosion limit / Upper nability limit r explosion limit / Lower nability limit r pressure ive density ity	 No data availa 1.4 g/cm3 	ble ble ble
Wa Partiti octan Autoig Decoi Visco Visco	ility(ies) ater solubility on coefficient: n- ol/water gnition temperature mposition temperature sity scosity, kinematic Volatile organic	 insoluble No data availa No data availa No data availa No data availa > 21 mm2/s (4) 	ible ible i0 °C)
	ounds (VOC) content	: 10.00 - 20.00 ·	%

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. Stable under recommended storage conditions. No decomposition if stored and applied as directed.
Conditions to avoid	: Do not allow evaporation to dryness. No data available
Hazardous decomposition pr Thermal decomposition	 carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).







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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity Harmful if swallowed.		
Components:		
Copper: Acute oral toxicity	:	Assessment: The component/mixture is moderately toxic after single ingestion.
Zinc: Acute oral toxicity	:	(Rat): > 2,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): 5.41 mg/l Exposure time: 4 h Test atmosphere: dust/mist

Skin corrosion/irritation

Not classified due to lack of data.

Components:

Copper: Remarks: May cause skin irritation in susceptible persons.

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester:

Species: Rabbit Exposure time: 4 h Method: OECD Test Guideline 404 Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

Copper: Result: Eye irritation

Rosin, maleated, polymer with pentaerythritol:

Result: Eye irritation





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Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester:

Species: Rabbit Result: No eye irritation Exposure time: 72 h Method: OECD Test Guideline 405

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified due to lack of data.

Components:

Rosin, maleated, polymer with pentaerythritol:

Result: May cause sensitization by skin contact.

9-Octadecenoic acid (9Z)-, cobalt salt (1:?):

Result: May cause sensitization by skin contact.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Suspected of damaging the unborn child.

Components:

Propanoic acid, 2-methyl-, 1,1	-[2,2-dimet	thyl-1-(1-methylet	hyl)-1,3-propa	nediyl] ester:

Reproductive toxicity - : Some evidence of adverse effects on development, based on





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Assessment

animal experiments.

STOT-single exposure

Not classified due to lack of data.

STOT-repeated exposure

Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

Components:

White mineral oil (petroleum):

May be fatal if swallowed and enters airways.

Further information

Components:

Copper: Remarks: No data available

Zinc:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity		
Components:		
Copper:		
M-Factor (Acute aquatic toxicity)	:	10
M-Factor (Chronic aquatic toxicity)	:	10
Ecotoxicology Assessment		
Acute aquatic toxicity	:	Very toxic to aquatic life.
Chronic aquatic toxicity	:	Very toxic to aquatic life with long lasting effects.
Zinc:		
M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic	:	1







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toxicit	v)			
	yy oxicology Assessme	nt		
	aquatic toxicity	:	Very toxic to a	quatic life.
	nic aquatic toxicity	:		quatic life with long lasting effects.
Rosir	n, maleated, polyme	r with	pentaerythritol	:
Ecoto	xicology Assessme	ent		
Chror	ic aquatic toxicity	:	May cause lon	g lasting harmful effects to aquatic life.
aquat Ecoto	ity to daphnia and oth ic invertebrates exicology Assessme iic aquatic toxicity		, , , , , , , , , , , , , , , , , , ,	atic life with long lasting effects.
Persi	stence and degrada			
Bioad	cumulative potentia	al		
	adverse effects Ita available			
Comp	oonents:			
Сорр	er:			
Additi inform	onal ecological nation	:	unprofessional	tal hazard cannot be excluded in the event of handling or disposal. quatic life with long lasting effects.
Zinc:				
Additi inform	onal ecological nation	:	unprofessional	ntal hazard cannot be excluded in the event of handling or disposal. quatic life with long lasting effects.

Disposal methods		
Waste from residues	:	The product should not be allowed to enter drains, water







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Contar	minated packaging	chemical or used Send to a license In accordance wi Empty remaining Dispose of as un Do not re-use em	ate ponds, waterways or ditches with l container. ed waste management company. th local and national regulations. contents. used product.

SECTION 14. TRANSPORT INFORMATION

Domestic regulation

49 CFR

Not regulated as a dangerous good

International Regulations

IATA-DGR UN/ID No. Proper shipping name	:	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Copper metal powder)
Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passenger aircraft)	:	9 III Miscellaneous Dangerous Goods 964 964
IMDG-Code UN number Proper shipping name Class Packing group Labels EmS Code	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Copper metal powder) 9 III 9 F-A, S-F
Marine pollutant Remarks	:	yes For single packagings <=5L / 5 kg, or combination packagings containing inner packagings <= 5L / 5 kg net per inner packaging, SV375 ADR, 2.10.2.7 IMDG-Code, A197 IATA-DGR may be applied.





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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)
Copper	7440-50-8	5000
Zinc	7440-66-6	1000

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	Acute toxicity (any route of exposure) Respiratory or skin sensitization Reproductive toxicity Serious eye damage or eye irritation		
SARA 313	: The following components are subject to reporting level established by SARA Title III, Section 313:		orting levels
	Copper	7440-50-8	>= 30 - < 50 %
	Zinc	7440-66-6	>= 5 - < 10 %

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

White mineral oil (petroleum)	8042-47-5	>= 10 - < 20 %
White mineral oil (petroleum)	8042-47-5	>= 5 - < 10 %



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Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.					
	oduct contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307 Copper 7440-50-8 34.505 %				
	Zinc	7440-66-6	9.754	%	
This prod	luct contains the following p Copper	riority pollutants related to the 7440-50-8	e U.S. C 34.505		
	Zinc	7440-66-6	9.754	%	
US State	Regulations				
Massach	usetts Right To Know				
	Copper			7440-50-8	
	White mineral oil (petroleum)			8042-47-5	
	Zinc			7440-66-6	
	White mineral oil (petroleum) 8042-47-5				
Pennsylvania Right To Know					
	Copper 7440-50-8				
	White mineral oil (petroleu	8042-47-5			
	Zinc	7440-66-6			
	Rosin, maleated, polymer	with pentaerythritol		68333-69-7	
	White mineral oil (petroleu	m)		8042-47-5	
	Rosin, maleated, polymer formaldehyde and pentaer			68082-96-2	
	Distillates (petroleum), ste			68131-77-1	
	Linseed oil, polymer with is	sophthalic acid and pentaeryt	hritol	67989-61-1	
	polyethylene wax dispersion	on		Not Assigned	
	Aluminum 7429-90-5				

California Prop. 65





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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.

California List of Hazardous Substances			
	Copper		7440-50-8
	Zinc		7440-66-6
	White mineral oil (pe	troleum)	8042-47-5
Californ	ia Permissible Expos	sure Limits for Chemical Contaminants	
	Copper	7440-50-8	
	White mineral oil (petroleum)		8042-47-5
	Zinc		7440-66-6
	White mineral oil (pe	troleum)	8042-47-5
The ingredients of this product are reported in the following inventories:			
DSL			
DSL		 This product contains the following cor Canadian NDSL. All other components DSL. 	
TSCA		: All chemical substances in this product active on the TSCA Inventory or are in	

TSCA list

NDSL

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

No substances are subject to a Significant New Use Rule.

The following substance(s) is/are subject to TSCA 12(b) export notification requirements: Zinc 7440-66-6

Canadian NDSL.

TSCA Inventory exemption.

: This product contains one or several components listed in the



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SECTION 16. OTHER INFORMATION

Full text of other abbrev	viations	
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA PO		USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
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
AllC Australian Invent	on of Ind	dustrial Chamicalay ACTM American Society for the Tasting

AIIC - Australian Inventory of Industrial Chemicals; 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





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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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The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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