

METALURE CHROME Black

Version	Revision Date:	SDS Number:	Date of last issue: 01/15/2020
1.1	08/19/2021	102000031328	Date of first issue: 01/15/2020

SECTION 1. IDENTIFICATION

Product name Product code	:	METALURE CHROME Black 024525QR0
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) 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 accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)					
Flammable liquids	:	Category 2			
Eye irritation	:	Category 2A			
Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)			
GHS label elements					
Hazard pictograms	:				
Signal Word	:	Danger			
Hazard Statements	:	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.			
Precautionary Statements	:	Prevention:			



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		P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
		P233	Keep container tightly closed.
		P240	Ground/bond container and receiving equipment.
		P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
		P242	Use only non-sparking tools.
		P243	Take precautionary measures against static discharge.
		P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
		P264	Wash skin thoroughly after handling.
		P271	Use only outdoors or in a well-ventilated area.
		P280	Wear protective gloves/ eye protection/ face protection.
		Response:	
		P303 + P361 +	 P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
		P304 + P340 +	• P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
		P305 + P351 +	•
		P337 + P313	If eye irritation persists: Get medical advice/ attention.
		P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
		Storage:	
		P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
		P403 + P235 P405	Store in a well-ventilated place. Keep cool. Store locked up.
		Disposal:	
		P501	Dispose of contents/ container to an approved waste disposal plant.

Hazardous ingredients which must be listed on the label: n-butyl acetate Acetic acid ethyl ester 2-Propanone



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Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
n-butyl acetate	123-86-4	>= 30 - < 50
Acetic acid ethyl ester	141-78-6	>= 20 - < 30
Carbon black	1333-86-4	>= 5 - < 10
Aluminum	7429-90-5	>= 1 - < 5
Titanium oxide (TiO2)	13463-67-7	>= 1 - < 5
Copper, [29H,31H-phthalocyaninato(2-)- .kappa.N29,.kappa.N30,.kappa.N31,.kappa.	147-14-8	>= 1 - < 5
N32]-, (SP-4-1)-		
2-Propanone	67-64-1	>= 1 - < 5

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.	
If inhaled	If unconscious, place in recovery position and seek med advice.	lical
In case of skin contact	If symptoms persist, call a physician. If skin irritation persists, call a physician. If on skin, rinse well with water.	
In case of eye contact	If on clothes, remove clothes. Immediately flush eye(s) with plenty of water. Remove contact lenses.	
If swallowed	Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Keep respiratory tract clear. Do not give milk or alcoholic beverages.	
Most important symptoms and effects, both acute and delayed	Never give anything by mouth to an unconscious person If symptoms persist, call a physician. Causes serious eye irritation. May cause drowsiness or dizziness.	n.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Alcohol-resistant foam Carbon dioxide (CO2)		
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media	fic hazards during fire	Ū	olume water allow run-o	⁻ jet ff from fire fighting to enter drains or water
Furthe	er information al protective equipment e-fighters	must r Fire re be dis For sa separa Use a : Wear s	 Collect contaminated fire extinguishing water s must not be discharged into drains. Fire residues and contaminated fire extinguish be disposed of in accordance with local regulat For safety reasons in case of fire, cans should separately in closed containments. Use a water spray to cool fully closed contained Wear self-contained breathing apparatus for fine necessary. 	

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

	ce on protection against nd explosion	:	Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
Advid	ce on safe handling	:	Avoid formation of aerosol. Do not breathe vapors/dust.





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		Avoid contact For personal p Smoking, eatir application are Take precautic Provide suffici Open drum ca	onary measures against static discharges. ent air exchange and/or exhaust in work rooms. refully as content may be under pressure.
Cond	litions for safe storage	regulations. : No smoking.	se water in accordance with local and national r tightly closed in a dry and well-ventilated
		place. Containers wh kept upright to Electrical insta the technologi	ich are opened must be carefully resealed and prevent leakage. Ilations / working materials must comply with cal safety standards.
	er information on ge stability	: No decompos	ition 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
n-butyl acetate	123-86-4	TWA	150 ppm	ACGIH
		STEL	200 ppm	ACGIH
		ST	200 ppm 950 mg/m3	NIOSH REL
		TWA	150 ppm 710 mg/m3	NIOSH REL
		TWA	150 ppm 710 mg/m3	OSHA Z-1
		TWA	150 ppm 710 mg/m3	OSHA P0
		STEL	200 ppm 950 mg/m3	OSHA P0
Acetic acid ethyl ester	141-78-6	TWA	400 ppm	ACGIH
		TWA	400 ppm 1,400 mg/m3	NIOSH REL
		TWA	400 ppm 1,400 mg/m3	OSHA Z-1

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		TWA	400 ppm 1,400 mg/m3	OSHA P0
Carbon black	1333-86-4	TWA	3.5 mg/m3	ACGIH
		TWA	3.5 mg/m3	NIOSH REL
		TWA	3.5 mg/m3	OSHA Z-1
		TWA	3.5 mg/m3	OSHA P0
		TWA (Inhalable particulate matter)	3 mg/m3	ACGIH
		TWA	0.1 mg/m3 (PAHs)	NIOSH REL
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 (respirable fraction)	5 mg/m3 (Aluminum)	OSHA Z-1
		TWA (Total dust)	15 mg/m3 (Aluminum)	OSHA P0





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1			TWA	5 mg/m3	OSHA P0
			(respirable dust fraction)	(Aluminum)	
			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
Titaniu	Titanium oxide (TiO2)	13463-67-7	TWA (total dust)	50 Million particles per cubic foot	OSHA Z-3
		TWA (total dust)	15 mg/m3	OSHA Z-3	
			TWA (respirable fraction)	5 mg/m3	OSHA Z-3
			TWA (respirable fraction)	15 Million particles per cubic foot	OSHA Z-3
			TWA (total dust)	15 mg/m3	OSHA Z-1
			TWA (Total dust)	10 mg/m3	OSHA P0
			TWA	10 mg/m3 (Titanium dioxide)	ACGIH
Copper, [29H,31H- phthalocyaninato(2-)- .kappa.N29,.kappa.N30,.kappa .N31,.kappa.N32]-, (SP-4-1)-	147-14-8	TWA (dust and mists)	1 mg/m3 (Copper)	NIOSH RE	
			TWA	1 mg/m3 (Copper)	NIOSH RE
2-Pro	panone	67-64-1	TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH	
		TWA	250 ppm 590 mg/m3	NIOSH RE	
			TWA	1,000 ppm 2,400 mg/m3	OSHA Z-1
			TWA	750 ppm 1,800 mg/m3	OSHA P0

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				STEL		1,000 ppm 2,400 mg/m3		OSHA P0	
Biological occupational	exposur	e lin	nits						
Components	CAS-No		Control parameter		Biological specimen	Samplin g time	Permissik concentra n	_	Basis
2-Propanone	67-64-1	67-64-1 Aceto			Urine	End of shift (As soon as possible after exposure ceases)	25 mg/l		ACGIH BEI
Personal protective equ	•								
Respiratory protection	ction : In the case of approved filte			vapor formation use a respirator with an er.					
Hand protection									
Remarks Eye protection	:	The suitability for a specific workplace should be with the producers of the protective gloves. Tightly fitting safety goggles Wear face-shield and protective suit for abnorma problems.					es.		
Skin and body protection	:	: Choose body protection according to the amount and concentration of the dangerous substance at the work pla				lace.			
Hygiene measures	:	Whe Whe	n using do n using do	o no [.] o no [.]	t eat or drin	k.			

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Color Odor Odor Threshold pH Melting point/freezing point Boiling point/boiling range		liquid black characteristic No data available substance/mixture is non-soluble (in water) No data available 76 °C
Flash point	:	-4 °C
Evaporation rate Flammability (solid, gas) Upper explosion limit / Upper flammability limit	-	No data available No data available No data available



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	wer explosion limit / Lower mmability limit	:	No data available)
Va	porpressure	:	No data available	9
	lative density lubility(ies)	:	No data available	9
	Water solubility	:	insoluble	
	rtition coefficient: n- tanol/water	:	No data available	9
Au	toignition temperature	:	No data available)
	composition temperature cosity	:	No data available No data available	-

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. No decomposition if stored and applied as directed. Vapors may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Components:

Acetic acid ethyl ester:	
Acute oral toxicity	: (Rat): 5,620 mg/kg
Acute inhalation toxicity	: LC50 (Rat): 56 mg/l Exposure time: 4 h Test atmosphere: vapor
Acute dermal toxicity	: LD50 (Rabbit): > 18,000 mg/kg
2-Propanone:	
Acute oral toxicity	: LD50 (Rabbit): 4,700 - 5,800 mg/kg
	(Mouse): 3,000 mg/kg
	(Rat): 9,800 mg/kg
Acute inhalation toxicity	: LC50 (Rat): 76 mg/l Exposure time: 4 h Test atmosphere: vapor



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Acute dermal toxicity :

: LD50 (Rabbit): > 2,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

2-Propanone:

Remarks: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

2-Propanone: Remarks: Severe eye irritation

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC	Group 2B: Possibly carcinogenic to humans				
	Carbon black	1333-86-4			
	Titanium oxide (TiO2)	13463-67-7			
OSHA	No component of this product present at levels greater than o equal to 0.1% is on OSHA's list of regulated carcinogens.				
NTP	No ingredient of this product present at levels greater than o equal to 0.1% is identified as a known or anticipated carcino				



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by NTP.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Acetic acid ethyl ester:

Toxicity to daphnia and other : (Daphnia): 717 mg/l aquatic invertebrates

2-Propanone:

Toxicity to daphnia and other : (Daphnia magna (Water flea)): 21,600 mg/l

aquatic invertebrates

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Do not dispose of waste into sewer. 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.







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Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

Domestic regulation		
49 CFR UN/ID/NA number Proper shipping name Class Packing group Labels ERG Code Marine pollutant		UN 1210 Printing ink 3 II FLAMMABLE LIQUID 129 no
International Regulations		
IATA-DGR UN/ID No. Proper shipping name Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passenger aircraft)		Flammable Liquids 364
IMDG-Code UN number Proper shipping name Class Packing group Labels EmS Code Marine pollutant	:	UN 1210 PRINTING INK 3 II 3 F-E, S-D no

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 12 / 17



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	(lbs)
123-86-4	5000
	123-86-4

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	:	Flammable (gases, aerosols, liquids, or solids) Serious eye damage or eye irritation Specific target organ toxicity (single or repeated exposure)		
SARA 313	: The following components are subject to established by SARA Title III, Section 313		• •	orting levels
		Aluminum	7429-90-5	>= 1 - < 5 %

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):

n-butyl acetate	123-86-4	%
Acetic acid ethyl ester	141-78-6	%
2-Propanone	67-64-1	%

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

n-butyl acetate 123-86-4	. %
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The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

n-butyl acetate 123-86-4 %

This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307



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This p	Copper, [29H,31H phthalocyaninato .kappa.N29,.kapp kappa.N31,.kapp (SP-4-1)- product does not conta	(2-)- ba.N30,. a.N32]-,	1.4 % ts related to the U.S. Clean Wat	er Act
US St	ate Regulations			
Mass	achusetts Right To K n-butyl acetate	ínow	123-86-	.4
	Acetic acid ethyl	ester	141-78-	·6
	Carbon black		1333-86	3-4
	Aluminum		7429-90)-5
	Titanium oxide (T	iO2)	13463-6	37-7
	2-Propanone		67-64-1	
Penn	Pennsylvania Right To Know n-butyl acetate		123-86-	.4
	Acetic acid ethyl	ester	141-78-	·6
	Cellulose, acetate	e butanoate	9004-36	3-8
	Carbon black		1333-86	5-4
	Aluminum		7429-90)-5
	Titanium oxide (T	iO2)	13463-6	37-7
		l-phthalocyaninato(2-)- ba.N30,.kappa.N31,.ka		·8
	2-Propanone		67-64-1 67-64	

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 Carbon black, Titanium oxide (TiO2), which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.



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Califo	ornia List of Hazardo	ous Substances		
Calle	Acetic acid ethyl			141-78-6
	Carbon black			1333-86-4
	Aluminum			7429-90-5
		H-phthalocyaninato(2-) pa.N30,.kappa.N31,.k		147-14-8
	2-Propanone			67-64-1
Califo	Acetic acid ethyl	•	nemical Contaminants	141-78-6
	Carbon black			1333-86-4
	Aluminum			7429-90-5
	Titanium oxide (TiO2)		13463-67-7
	2-Propanone			67-64-1
The i DSL TSCA		: All component	n the following invento s of this product are on s listed as active on the	the Canadian D
TSCA				
		to a Significant New L		
No su	ubstances are subject	to TSCA 12(b) export	notification requiremen	ts.

	э	
		USA. ACGIH Threshold Limit Values (TLV) ACGIH - Biological Exposure Indices (BEI)
	•	



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NIOS	H REL	: USA. NIOSH R	ecommended Exposure Limits
OSHA	A P0	: USA. OSHA - 1 1910.1000	TABLE Z-1 Limits for Air Contaminants -
OSH/	A Z-1	: USA. Occupation Limits for Air Co	onal Exposure Limits (OSHA) - Table Z-1 ontaminants
OSHA	A Z-3	: USA. Occupation Mineral Dusts	onal Exposure Limits (OSHA) - Table Z-3
ACGI	H / TWA	: 8-hour, time-we	ighted average
	H / STEL	: Short-term exp	• •
NIOS	H REL / TWA	: Time-weighted	average concentration for up to a 10-hour a 40-hour workweek
NIOS	H REL / ST		te TWA exposure that should not be exceeded
-		at any time duri	
OSH/	A P0 / TWA	: 8-hour time wei	
OSH/	A P0 / STEL	: Short-term exp	
	A Z-1 / TWA	: 8-hour time wei	
	A Z-3 / TWA	: 8-hour time wei	ghted average als; ASTM - American Society for the Testing
Subsi Haza growt - Goo Agen Code maxir of Ex Intern Intern Letha (Medi MSH/ Fire F Obse Toxic Econ Preve	tances List (Canada); rdous Substance; ELx S - Existing and New h rate response; ERG od Laboratory Practice cy for Research on C for the Construction a nal inhibitory concentri isting Chemical Subst ational Maritime Org ational Organisation I Concentration to 50 an Lethal Dose); MAR A - Mine Safety and Protection Association rved (Adverse) Effect ology Program; NZIc omic Co-operation a ention; PBT - Persister	ECx - Concentration - Loading rate associa Chemical Substances - Emergency Response ; HMIS - Hazardous M ancer; IATA - Internati and Equipment of Ships ration; ICAO - Internati cances in China; IMDG ganization; ISHL - In for Standardization; K % of a test population RPOL - International Co Health Administration; ; NO(A)EC - No Obset t Level; NOELR - No C - New Zealand Ir nd Development; OP nt, Bioaccumulative and	Department of Transportation; DSL - Domesian associated with x% response; EHS - Extreme ated with x% response; EHS - Extreme (Japan); ErCx - Concentration associated with x se Guide; GHS - Globally Harmonized System; GL Materials Identification System; IARC - Internation tional Air Transport Association; IBC - Internation s carrying Dangerous Chemicals in Bulk; IC50 - Ha ional Civil Aviation Organization; IECSC - Invento 6 - International Maritime Dangerous Goods; IMO dustrial Safety and Health Law (Japan); ISO ECI - Korea Existing Chemicals Inventory; LC50 n; LD50 - Lethal Dose to 50% of a test population prved (Adverse) Effect Concentration; NO(A)EL - N Observable Effect Loading Rate; NTP - Nation wentory of Chemicals; OECD - Organization f PTS - Office of Chemical Safety and Pollution d Toxic substance; PICCS - Philippines Inventory (Quantitative) Structure Activity Relationship; RCR
- Res Europ Restri Temp TCSI	ource Conservation bean Parliament and iction of Chemicals; erature; SARA - Sup - Taiwan Chemical Su	and Recovery Act; I of the Council concern RQ - Reportable Q erfund Amendments a ubstance Inventory; TE	REACH - Regulation (EC) No 1907/2006 of the ing the Registration, Evaluation, Authorisation an uantity; SADT - Self-Accelerating Decompositio and Reauthorization Act; SDS - Safety Data Shee CI - Thailand Existing Chemicals Inventory; TSCA UN - United Nations; UNRTDG - United Nation



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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.

US / Z8