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Product identifier

Trade name

Maxguard[™] GN H [™] Trademark, INEOS or its subsidiaries, registered in various countries

Relevant identified uses of the substance or mixture and uses advised against Recommended use : Industrial chemical

:

Details of the supplier of the safety data sheet Shanghai INEOS Composites Co., Ltd. Unit 1801B of Xuhuiyuan Building No 1089, South Zhongshan NO. 2 Road Shanghai 200030 China 上海英力士复合材料有限公司 上海市中山南二路1089号徐汇苑大厦18楼1801B 上海 200030 中国	Emergency telephone number 1-800-424-9300 (+1-703-527-3887 for direct dial), or call the local emergency number 0532 8388 9090 (China) Regulatory Information Number 021 2402 4688 (in China), or contact your local customer service representative Product Information +021 2402 4688
sds.composites@ineos.com	

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids	: Category 3
Acute toxicity (Inhalation)	: Category 5
Skin corrosion/irritation	: Category 2
Serious eye damage/eye irritation	: Category 2A
Skin sensitisation	: Category 1
Reproductive toxicity	: Category 1B

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Specific target organ toxicity - single exposure	: Category 3 (re	espiratory tract irritation)
Specific target organ toxicity - repeated exposure (Inhalation)	: Category 1 (A	uditory system)
Short-term (acute) aquatic hazard	: Category 2	
GHS label elements Hazard pictograms		
Signal word	: Danger	
Hazard statements	H315 Causes H317 May causes H319 Causes H333 May be H335 May causes H360 May da H372 Causes	able liquid and vapour. skin irritation. use an allergic skin reaction. serious eye irritation. harmful if inhaled. use respiratory irritation. mage fertility or the unborn child. damage to organs (Auditory system) through repeated exposure if inhaled.
Precautionary statements	P202 Do not I and understoo P210 Keep av No smoking. P233 Keep co P240 Ground P241 Use exp equipment. P242 Use onI P243 Take pr P260 Do not I	special instructions before use. handle until all safety precautions have been read od. way from heat/ sparks/ open flames/ hot surfaces. ontainer tightly closed. /bond container and receiving equipment. olosion-proof electrical/ ventilating/ lighting y non-sparking tools. ecautionary measures against static discharge. oreathe mist or vapours. kin thoroughly after handling.

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P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Keep dust/air mixtures away from ignition sources. 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 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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 eve irritation persists: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse. 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 Store in a well-ventilated place. Keep cool. P405 Store locked up. Disposal: P501 Dispose of contents/ container to an approved waste

Other hazards which do not result in classification

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
	Registration number		
STYRENE	100-42-5	Flam. Liq. 3; H226	>= 30.00 - < 50.00

disposal plant.

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		Acute Tox. 5; H303 Acute Tox. 4; H332 2; H315 2A; H319 STOT SE 3; H335 STOT RE 1; H372 Asp. Tox. 1; H304 Aquatic Acute 2; H401
ALUMINUM SALT	21645-51-2	Not a hazardous substance or mixture.>= 1.00 - < 10.00
FATTY ACIDS, C14-18 AND C16- 18 UNSATD., MALEATED	85711-46-2	Acute Tox. 5; H303 2; H315 Skin Sens. 1; H317
COBALT COMPOUND	136-52-7	Acute Tox. 5; H303 2A; H319 Skin Sens. 1A; H317 Repr. 1B; H360 Aquatic Acute 1; H400 Aquatic Chronic 3; H412

4. FIRST AID MEASURES

General advice	 Move out of dangerous area. Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	 Move to fresh air. IF INHALED: Call a POISON CENTER/ doctor if you feel unwell. Keep patient warm and at rest. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	 Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use. If on clothes, remove clothes.

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In case of eye contact	:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye.	
If swallowed	:	Obtain medical attention. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.	
Most important symptoms and effects, both acute and delayed	:	Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) confusion Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May be harmful if inhaled. May cause respiratory irritation. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure if inhaled.	
Notes to physician	:	No hazards which require special first aid measures.	

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray Foam Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Organic dusts at sufficient concentration can form explosive mixtures in air. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Beware of vapours accumulating to form explosive

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		/apours can accumulate in low areas. off from fire fighting to enter drains or water
Hazardous combustion : products	Carbon dioxide (Carbon monoxide Hydrocarbons Metal oxides	,
Specific extinguishing : methods	Product is compa	atible with standard fire-fighting agents.
	fire. Fire residues and be disposed of in	d water stream as it may scatter and spread d contaminated fire extinguishing water must accordance with local regulations. y to cool fully closed containers.

Special protective equipment : In the event of fire, wear self-contained breathing apparatus. for firefighters

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment. Ensure adequate ventilation. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.
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).
Prevention of secondary hazards	:	Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water

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spray jet.

7. HANDLING AND STORAGE

Handling		
Advice on protection against fire and explosion	:	Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). No sparking tools should be used. Keep away from open flames, hot surfaces and sources of ignition. Use only explosion-proof equipment.
Advice on safe handling	:	 Open drum carefully as content may be under pressure. Avoid formation of aerosol. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Container hazardous when empty. Take precautionary measures against static discharges. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations. Secondary operations, such as grinding and sanding, may produce dust. Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment, in order to avoid any potential for dust explosion hazards.
Avoidance of contact	:	Acids aluminum aluminum chloride Bases Copper Copper alloys halogens iron chloride metal salts Strong oxidizing agents

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Peroxides

Storage

Conditions for safe storage : 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. Observe label precautions.

No smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type	Control	Basis
		(Form of	parameters /	
		exposure)	Permissible	
			concentration	
STYRENE	100-42-5	PC-TWA	50 mg/m3	CN OEL
		PC-STEL	100 mg/m3	CN OEL
COBALT COMPOUND	136-52-7	PC-TWA	0.05 mg/m3 (Cobalt)	CN OEL
		PC-STEL	0.1 mg/m3 (Cobalt)	CN OEL

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentrati on	Basis
STYRENE	100-42-5	mandelic acid plus phenylglyox ylic acid	Urine	End of shift	400 mg/g Creatinine	ZCN_B EI
		mandelic acid plus phenylglyox ylic acid	Urine	End of shift	295 Millimoles per mole Creatinine	ZCN_B EI
		mandelic acid plus phenylglyox ylic acid	Urine	Before next shift	120 Millimoles per mole Creatinine	ZCN_B EI
		mandelic acid plus phenylglyox ylic acid	Urine	Before next shift	160 mg/g Creatinine	ZCN_B EI

Engineering measures

: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if

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applicable) or below levels that cause known, suspected or apparent adverse effects. Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipm Respiratory protection		In the case of vapour formation use a respirator with an approved filter.
Filter type	:	Organic vapour type
Hand protection Material Break through time Glove thickness	:	Laminate (Barrier© or Silvershield©) 480 min > 0.5 mm
Remarks	:	The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	:	Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.
Skin and body protection	:	Wear as appropriate: Impervious clothing Safety shoes Flame-resistant clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place. Discard gloves that show tears, pinholes, or signs of wear.
Hygiene measures	:	Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	liquid
Colour	:	clear
Odour	:	aromatic



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Odour Threshold	: No data available
рН	: Not applicable
Melting point/freezing point	: < -30 °CValue for Component
Boiling point/boiling range	: 145 °CValue for Component
Flash point	: 29.4 °C Method: Seta closed cup
Evaporation rate	: No data available
Flammability (solid, gas)	: May form combustible dust concentrations in air.
Upper explosion limit	: 6.1 %(V) Value for Component
Lower explosion limit	: 1.1 %(V) Value for Component
Vapour pressure	: 6 hPa (20 °C)
Relative vapour density	: No data available
Relative density	: No data available
Density	: 1.078 g/cm3 (25 °C)
Solubility(ies) Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n- octanol/water	: No data available
Thermal decomposition	: No data available
Viscosity Viscosity, dynamic	: not determined
Viscosity, kinematic	: > 20.5 mm2/s (40 °C)
Oxidizing properties	: No data available

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10. STABILITY AND REACTIVITY

Reactivity	No decomposition if stored and applied as directed.	
Chemical stability	: Stable under recommended storage conditions.	
Possibility of hazardous reactions	 Hazardous polymerisation may occur. Vapours may form explosive mixture with air. This product does not present a dust explosion hazard as delivered. However, fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. 	1
Conditions to avoid	Exposure to air. Exposure to sunlight.	
	Heat, flames and sparks.	
Incompatible materials	 Acids aluminum aluminum chloride Bases Copper Copper alloys halogens iron chloride metal salts Strong oxidizing agents Peroxides 	
Hazardous decomposition products	Hydrocarbons Acetone Carbon dioxide (CO2) Carbon monoxide aluminum oxides	

11. TOXICOLOGICAL INFORMATION

Exposure routes	: Inhalation, Skin contact, Eye Contact, Ingestion
Acute toxicity May be harmful if inhaled. Components: STYRENE: Acute oral toxicity	: LD50 (Rat): > 2,000 mg/kg

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Acute inhalation toxicity :	LC50 (Rat): 11. Exposure time: Test atmosphe	
	No observed ac Exposure time: Test atmosphe	
Acute dermal toxicity :		Test Guideline 402 o adverse effect has been observed in acute
ALUMINUM SALT: Acute oral toxicity :	LD50 (Rat): > 5	,000 mg/kg
	Method: OECD GLP: yes	ale): > 2,000 mg/kg Test Guideline 423 o adverse effect has been observed in acute s.
Acute inhalation toxicity :	under GHS.	4 h re: dust/mist ot classified as acutely toxic by inhalation nation given is based on data obtained from
FATTY ACIDS, C14-18 AND C10 Acute oral toxicity :	LD50 (Rat): > 2	
COBALT COMPOUND: Acute oral toxicity :	LD50 (Rat, fem	ale): ca. 3,129 mg/kg
Acute inhalation toxicity :		1 h re: dust/mist ot classified as acutely toxic by inhalation o adverse effect has been observed in acute
Acute dermal toxicity :	LD50 (Rabbit):	> 5,000 mg/kg



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Skin corrosion/irritation

Causes skin irritation. <u>Product:</u> Result: Repeated exposure may cause skin dryness or cracking.

Remarks: May cause skin irritation and/or dermatitis.

Components:

STYRENE: Species: Rabbit Result: Irritating to skin.

Species: human skin Result: No skin irritation

ALUMINUM SALT: Species: Rabbit Method: OECD Test Guideline 404 Result: No skin irritation GLP: yes

FATTY ACIDS, C14-18 AND C16-18 UNSATD., MALEATED: Species: reconstructed human epidermis (RhE) Method: OECD Test Guideline 439 Result: Irritating to skin.

COBALT COMPOUND: Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin., Causes serious eye irritation.

Components:

STYRENE: Result: Irritating to eyes. Remarks: Vapour during processing may be irritating to the respiratory tract and to the eyes.

ALUMINUM SALT: Species: Rabbit Result: No eye irritation Method: OECD Test Guideline 405 GLP: yes



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> FATTY ACIDS, C14-18 AND C16-18 UNSATD., MALEATED: Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 405

COBALT COMPOUND: Species: Rabbit Result: Irritating to eyes. Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction. Respiratory sensitisation: Not classified based on available information. Components: STYRENE: Exposure routes: Skin contact Species: Guinea pig Assessment: Does not cause skin sensitisation. Result: negative

Exposure routes: inhalation (vapour) Species: Humans Assessment: Does not cause respiratory sensitisation. Result: negative

ALUMINUM SALT: Test Type: Maximisation Test Species: Guinea pig Assessment: Did not cause sensitisation on laboratory animals. Method: OECD Test Guideline 406 GLP: yes

FATTY ACIDS, C14-18 AND C16-18 UNSATD., MALEATED: Test Type: Local lymph node assay Species: Mouse Assessment: May cause sensitisation by skin contact. Method: OECD Test Guideline 429

COBALT COMPOUND: Test Type: Local lymph node assay Species: Mouse Assessment: The product is a skin sensitiser, sub-category 1A. Method: OECD Test Guideline 429

Germ cell mutagenicity

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	es test ation: with and without metabolic activation) Test Guideline 471
COBALT COMPOUND: Genotoxicity in vitro : Test Type: Amo Result: negativ	
Genotoxicity in vivo : Test Type: In v Result: negativ	ivo micronucleus test e
Assessment fertility, based of	e of adverse effects on sexual function and on animal experiments., Some evidence of s on development, based on animal
STOT - single exposure May cause respiratory irritation. <u>Components:</u> STYRENE: Assessment: May cause respiratory irritation.	
STOT - repeated exposure Causes damage to organs (Auditory system) thro <u>Components:</u> STYRENE: Exposure routes: inhalation (vapour) Target Organs: Auditory system Assessment: Causes damage to organs through p	
Repeated dose toxicity <u>Components:</u> STYRENE: Species: Human 85 mg/m3 Application Route: inhalation (vapour)	

Species: Human



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615 mg/kg Application Route: Skin contact

Aspiration toxicity Not classified based on available information. Components: STYRENE:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: Solvents may degrease the skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity <u>Components:</u> STYRENE:		
Toxicity to fish	C50 (Pimephales promelas (fathead minnow) Exposure time: 96 h)): 4.02 mg/l
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 4.7 mg/l Exposure time: 48 h	
Toxicity to algae	ErC50 (Pseudokirchneriella subcapitata (greer ng/l Exposure time: 72 h	n algae)): 4.9
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC (Daphnia magna (Water flea)): 1.01 mg Exposure time: 21 d	g/I
Toxicity to bacteria	EC50 (activated sludge): ca. 500 mg/l Exposure time: 0.5 h	
Toxicity to soil dwelling organisms	NOEC (Eisenia fetida (earthworms)): 34 mg/kg Exposure time: 14 d Method: OECD Test Guideline 207	9
FATTY ACIDS, C14-18 AND C Toxicity to fish	8 UNSATD., MALEATED: L50 (Leuciscus idus (Golden orfe)): > 150 mg Exposure time: 48 h Fest Type: static test Fest substance: WAF Method: DIN 38412	g/l
Toxicity to daphnia and other	EL50 (Daphnia magna (Water flea)): > 100 mg	g/I

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aquatic invertebrates	Exposure time Test Type: sen Test substance Method: OECE	ni-statio e: WAF			
Toxicity to algae :	EL50 (Pseudol mg/l End point: Gro Exposure time Test Type: stat Test substance Method: OECE	wth inh : 72 h tic test e: WAF	nibition	(microalgae)): > ²	100
COBALT COMPOUND: M-Factor (Short-term (acute) : aquatic hazard)	: 1				
Ecotoxicology Assessment Short-term (acute) aquatic : hazard	: Very toxic to a	quatic I	ife.		
Long-term (chronic) aquatic : hazard	: Harmful to aqu	iatic life	e with long lasting	effects.	
No data available Persistence and degradability <u>Components:</u> STYRENE:					
	Result: Readily Biodegradatior Exposure time	n: >60			
FATTY ACIDS, C14-18 AND C10 Biodegradability	: Result: Not rea Biodegradatior Exposure time	adily bio n: 40 % : 28 d	odegradable.		
COBALT COMPOUND: Biodegradability	: Result: Readily Biodegradatior Exposure time Method: OECE	n: 60 % :10 d			
No data available Bioaccumulative potential <u>Components:</u> STYRENE:					

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Bioaccumulation : Bioconcentrat	ion factor (BCF): < 100
Partition coefficient: n- : log Pow: 2.96 octanol/water	(25 °C)
FATTY ACIDS, C14-18 AND C16-18 UNSATD., Partition coefficient: n- : log Pow: < 1 (octanol/water	
No data available Mobility in soil <u>Components:</u> STYRENE: Distribution among : Koc: 352 environmental compartments	
No data available Other adverse effects Product:	
Additional ecological : An environme	ntal hazard cannot be excluded in the event of I handling or disposal., Toxic to aquatic life.
<u>Components:</u> STYRENE:	
Results of PBT and vPvB : This substance assessment bioaccumulati	e is not considered to be persistent, ng and toxic (PBT). This substance is not be very persistent and very bioaccumulating
assessment bioaccumulati	MALEATED: e is not considered to be persistent, ng and toxic (PBT). This substance is not be very persistent and very bioaccumulating
COBALT COMPOUND: Results of PBT and vPvB : Remarks: Not assessment	applicable

General advice	 Do not contaminate ponds, waterways or ditches with chemical or used container. Container hazardous when empty. Dispose of in accordance with local regulations.

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	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	 Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION

International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD	SUBSIDIARY	PACKING	MARINE
		CLASS	HAZARDS	GROUP	POLLUTANT /
					LTD. QTY.

CN_DG

UN	1866	RESIN SOLUTION	3	III	

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN	1866	Resin solution	3		

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN	1866	Resin solution	3		

INTERNATIONAL MARITIME DANGEROUS GOODS

UN	1866	RESIN SOLUTION	3	III	

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant	no

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Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

National regulatory information

Law on the Prevention and Control of Occupational Diseases

Regulations on the Control over Safety of Dangerous Chemicals (Decree No. 591 of the State Council of the People's Republic of China)

List of dangerous goods (GB12268-2012)

Classification and code of dangerous goods (GB6944-2012)

Safety Data Sheet for chemical products – Content and order of sections (GB16483-2008) General rule for classification and hazard communication of chemicals (GB13690-2009)

The components of this product are reported in the following inventories:		
TCSI	:	Not in compliance with the inventory
TSCA	:	On or in compliance with the active portion of the TSCA inventory
AIIC	:	Not in compliance with the inventory
DSL	:	On the inventory, or in compliance with the inventory
ENCS	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
NZIoC	:	Not in compliance with the inventory

Inventories

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

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16. OTHER INFORMATION

Further information

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Full text of H-Statements

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H360	May damage fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure if inhaled.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Other information	: The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the
	company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by INEOS's Environmental Health and Safety Department.

Sources of key data used to compile the Safety Data Sheet INEOS internal data including own and sponsored test reports The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

Full text of other abbreviationsAU OEL : Australia. Workplace Exposure Standards for Airborne Contaminants. CN OEL : China. Occupational Exposure Limits

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HK OEL : Hong Kong. Code of Practice on Control of Air Impurities (Chemical Substances) in the Workplace

IN OEL : India. Permissible levels of certain chemical substances in work environment. ID OEL : Indonesia. Occupational Exposure Limits

JPJSOH OEL : Japan. The Japan Society for Occupational Health. Recommendation of Occupational Exposure Limits

JPISHL OEL : Japan. Administrative Control Levels

KOR OEL : Korea. Occupational Exposure Limits

MY OEL : Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health)

NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

PH OEL : Philippines. Threshold Limit Values For Airborne Contaminants

SG OEL : Singapore. Workplace Safety and Health Act - First Schedule Permissible Exposure Limits of Toxic Substances

TW OEL : Taiwan. Standards on the Concentration Levels of Hazardous Substances in the Air at Workplace

TH OEL : Thailand. Occupational Exposure Limits

VN OEL : Vietnam. Occupational Exposure Limits

CN / EN