

**SAFETY DATA SHEET**

Revision Date: 03/21/2020

Print Date: 08.08.2023

SDS Number: 000000301144

Version: 1.2

Maxguard™ GN WHI S N GELCOAT  
™ Trademark, INEOS or its subsidiaries, registered  
in various countries  
950939

**1. PRODUCT AND COMPANY IDENTIFICATION****Product identifier**

Trade name : Maxguard™ GN WHI S N  
GELCOAT  
™ 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

<b>Details of the supplier of the safety data sheet</b>  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  sds.composites@ineos.com	<b>Emergency telephone number</b> 1-800-424-9300 (+1-703-527-3887 for direct dial), or call the local emergency number 0532 8388 9090 (China)  <b>Regulatory Information Number</b> 021 2402 4688 (in China), or contact your local customer service representative  <b>Product Information</b> +021 2402 4688
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**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 (respiratory tract irritation)

Specific target organ toxicity - repeated exposure (Inhalation) : Category 1 (Auditory system)

Aspiration hazard : Category 1

Short-term (acute) aquatic hazard : Category 2

### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.  
 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.  
 H333 May be harmful if inhaled.  
 H335 May cause respiratory irritation.  
 H360 May damage fertility or the unborn child.  
 H372 Causes damage to organs (Auditory system) through prolonged or repeated exposure if inhaled.  
 H401 Toxic to aquatic life.

Precautionary statements : **Prevention:**  
 P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 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.  
 P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.

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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.  
**Response:**  
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 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.  
 P331 Do NOT induce vomiting.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P337 + P313 If eye 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 disposal plant.

### Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

Chemical name	CAS-No. Registration number	Classification	Concentration (%)
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STYRENE	100-42-5	Flam. Liq. 3; H226 Acute Tox. 5; H303 Acute Tox. 4; H332 Skin Corr. 2; H315 Eye Dam. 2A; H319 STOT SE 3; H335 STOT RE 1; H372 Asp. Tox. 1; H304 Aquatic Acute 2; H401	>= 30.00 - < 50.00
Titanium dioxide	13463-67-7	Not a hazardous substance or mixture.	>= 10.00 - < 20.00
Talc	14807-96-6	Not a hazardous substance or mixture.	>= 1.00 - < 10.00
ALUMINUM COMPOUND	1344-28-1	Not a hazardous substance or mixture.	>= 1.00 - < 10.00
COBALT COMPOUND	136-52-7	Acute Tox. 5; H303 Eye Dam. 2A; H319 Skin Sens. 1A; H317 Repr. 1B; H360 Aquatic Acute 1; H400 Aquatic Chronic 3; H412	>= 0.10 - < 0.25

#### 4. FIRST AID MEASURES

- General advice : Consult a physician.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.  
If symptoms persist, call a physician.  
In case of shortness of breath, give oxygen.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off immediately with plenty of water.  
If skin irritation persists, call a physician.
- In case of eye contact : Hold eyelids apart and flush eyes with plenty of water for at  
least 15 minutes. Get medical attention.  
Remove contact lenses.

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- If swallowed : Do not induce vomiting without medical advice.  
 Never give anything by mouth to an unconscious person.  
 Consult a physician if necessary.
  
- 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  
 May be fatal if swallowed and enters airways.  
 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 : Foam  
 Water spray  
 Carbon dioxide (CO2)  
 Dry chemical
  
- Unsuitable extinguishing media : High volume water jet  
 Halons
  
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
 Do not allow run-off from fire fighting to enter drains or water courses.
  
- Hazardous combustion products : Carbon dioxide (CO2)  
 Carbon monoxide  
 Hydrocarbons
  
- Specific extinguishing methods : Keep containers and surroundings cool with water spray.  
 Prevent fire extinguishing water from contaminating surface water or the ground water system.  
 Fire residues and contaminated fire extinguishing water must

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be disposed of in accordance with local regulations.  
 For safety reasons in case of fire, cans should be stored  
 separately in closed containments.

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

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.  
 Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.  
 Ensure adequate ventilation.  
 Comply with all applicable federal, state, and local regulations.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- 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).  
 Keep in suitable, closed containers for disposal.
- Prevention of secondary hazards : Comply with all applicable federal, state, and local regulations.

### 7. HANDLING AND STORAGE

#### Handling

- Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.  
 Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Keep product and empty container away from heat and sources of ignition. No sparking tools should be used. Avoid formation of aerosol.
- Advice on safe handling : Avoid formation of aerosol.  
 Do not breathe vapours or spray mist.  
 Avoid contact with skin and eyes.  
 For personal protection see section 8.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Avoid exceeding the given occupational exposure limits (see section 8).  
 Smoking, eating and drinking should be prohibited in the

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application area.  
 Ensure all equipment is electrically grounded and bonded  
 before beginning transfer operations.

Avoidance of contact : Acids  
 aluminum  
 aluminum chloride  
 Bases  
 chlorinated rubber  
 chlorine trifluoride  
 Copper  
 Copper alloys  
 Ethylene oxide  
 halogens  
 iron chloride  
 metal salts  
 Strong oxidizing agents  
 Peroxides

### Storage

Conditions for safe storage : Store in original container.  
 Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
STYRENE	100-42-5	PC-TWA	50 mg/m <sup>3</sup>	GBZ 2.1-2007
		PC-STEL	100 mg/m <sup>3</sup>	GBZ 2.1-2007
Titanium dioxide	13463-67-7	PC-TWA (Total dust)	8 mg/m <sup>3</sup> Total dust	GBZ 2.1-2007
Talc	14807-96-6	PC-TWA (Total dust)	3 mg/m <sup>3</sup> Total dust	GBZ 2.1-2007
		PC-TWA (Respirable dust)	1 mg/m <sup>3</sup> Respirable dust	GBZ 2.1-2007
ALUMINUM COMPOUND	1344-28-1	PC-TWA (Total dust)	4 mg/m <sup>3</sup> Total dust	GBZ 2.1-2007

### Biological occupational exposure limits

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Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
STYRENE	100-42-5	mandelic acid plus phenylglyoxylic acid	Urine	End of shift	400 mg/g Creatinine	ZCN_B EI
		mandelic acid plus phenylglyoxylic acid	Urine	End of shift	295 Millimoles per mole Creatinine	ZCN_B EI
		mandelic acid plus phenylglyoxylic acid	Urine	Before next shift	120 Millimoles per mole Creatinine	ZCN_B EI
		mandelic acid plus phenylglyoxylic 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 level of overexposure (from known, suspected or apparent adverse effects).

### Personal protective equipment

**Respiratory protection** : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In the case of vapour formation use a respirator with an approved filter.

### Hand protection

**Remarks** : Wear resistant gloves such as:  
Polyvinyl alcohol or nitrile- butyl-rubber gloves

**Eye protection** : Safety glasses with side-shields

**Skin and body protection** : Wear as appropriate:  
Safety shoes  
Flame-resistant clothing

**Hygiene measures** : Keep away from food, drink and animal feedingstuffs. When using do not eat, drink or smoke. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES



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Physical state : liquid

Odour : pungent

Odour Threshold : No data available

pH : Not applicable

Melting point/freezing point : <-30 °C

Boiling point/boiling range : > 145 °C

Flash point : 29.4 °C  
 Method: Seta closed cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : 8 %(V)

Lower explosion limit : 1.1 %(V)

Vapour pressure : 6 hPa (20 °C)

Relative vapour density : No data available

Relative density : No data available

Density : ca. 1.15 g/cm<sup>3</sup>

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 : 5,000 mPa.s

Viscosity, kinematic : No data available

Oxidizing properties : No data available

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### 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions : Stable under recommended storage conditions.  
 Hazardous polymerisation may occur.  
 Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.  
 Exposure to air.  
 Exposure to sunlight.

Incompatible materials : Acids  
 aluminum  
 aluminum chloride  
 Bases  
 chlorinated rubber  
 chlorine trifluoride  
 Copper  
 Copper alloys  
 Ethylene oxide  
 halogens  
 iron chloride  
 metal salts  
 Strong oxidizing agents  
 Peroxides

Hazardous decomposition products : Hydrocarbons  
 Acetone  
 Carbon dioxide (CO<sub>2</sub>)  
 Carbon monoxide

### 11. TOXICOLOGICAL INFORMATION

Exposure routes : Skin contact, Eye Contact, Ingestion, Inhalation

#### Acute toxicity

May be harmful if inhaled.

#### Components:

##### STYRENE:

Acute oral toxicity : LD50 Oral (Rat): > 2,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 11.8 mg/l, 2770 ppm  
 Exposure time: 4 h  
 Test atmosphere: vapour

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No observed adverse effect level (Humans): 100 ppm  
 Exposure time: 7 h  
 Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
 Method: OECD Test Guideline 402  
 Assessment: No adverse effect has been observed in acute dermal toxicity tests.

Titanium dioxide:  
 Acute oral toxicity : LD50 (Rat): > 24,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 6.82 mg/l  
 Exposure time: 4 h  
 Test atmosphere: dust/mist  
 Assessment: Not classified as acutely toxic by inhalation under GHS.

Acute dermal toxicity : LD50 (Rabbit): > 10,000 mg/kg

Talc:  
 Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
 Method: OECD Test Guideline 423

COBALT COMPOUND:  
 Acute oral toxicity : LD50 (Rat, female): ca. 3,129 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 10 mg/l  
 Exposure time: 1 h  
 Test atmosphere: dust/mist  
 Assessment: Not classified as acutely toxic by inhalation under GHS.

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

### Skin corrosion/irritation

Causes skin irritation.

#### Product:

Result: Repeated exposure may cause skin dryness or cracking.

#### Components:

STYRENE:

Species: Rabbit

Result: Irritating to skin.

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Species: human skin  
 Result: No skin irritation

Titanium dioxide:  
 Result: Slight, transient irritation

Talc:  
 Species: reconstructed human epidermis (RhE)  
 Result: No skin irritation

ALUMINUM COMPOUND:  
 Result: Slight, transient irritation

COBALT COMPOUND:  
 Result: No skin irritation

### **Serious eye damage/eye irritation**

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.

Titanium dioxide:  
 Result: Slight, transient irritation

Talc:  
 Species: Rabbit  
 Result: Slight, transient irritation  
 Method: OECD Test Guideline 405

ALUMINUM COMPOUND:  
 Result: Slight, transient irritation

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.

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Result: negative

Exposure routes: inhalation (vapour)

Species: Humans

Assessment: Does not cause respiratory sensitisation.

Result: negative

Talc:

Test Type: Maximisation Test

Species: Guinea pig

Assessment: Did not cause sensitisation on laboratory animals.

Method: OECD Test Guideline 406

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

Not classified based on available information.

### Components:

Talc:

Genotoxicity in vitro

: Test Type: In vitro gene mutation study in bacteria

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

: Test Type: In vitro gene mutation study in bacteria

Test species: Saccharomyces cerevisiae

Metabolic activation: with and without metabolic activation

Result: negative

Genotoxicity in vivo

: Test Type: dominant lethal test

Test species: Rat (male)

Cell type: Bone marrow

Result: negative

COBALT COMPOUND:

Genotoxicity in vitro

: Test Type: Ames test

Result: negative

Genotoxicity in vivo

: Test Type: In vivo micronucleus test

Result: negative

### **Carcinogenicity**


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Not classified based on available information.

**Reproductive toxicity**

May damage fertility or the unborn child.

**Components:**

COBALT COMPOUND:

Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility, based on animal experiments., Some evidence of adverse effects on development, based on animal experiments.

**STOT - single exposure**

May cause respiratory irritation.

**Components:**

STYRENE:

Assessment: May cause respiratory irritation.

**STOT - repeated exposure**

Causes damage to organs (Auditory system) through prolonged or repeated exposure if inhaled.

**Components:**

STYRENE:

Exposure routes: inhalation (vapour)

Target Organs: Auditory system

Assessment: Causes damage to organs through prolonged or repeated exposure.

**Repeated dose toxicity**
**Components:**

STYRENE:

Species: Human

85 mg/m<sup>3</sup>

Application Route: inhalation (vapour)

Species: Human

615 mg/kg

Application Route: Skin contact

**Aspiration toxicity**

May be fatal if swallowed and enters airways.

**Components:**

STYRENE:

May be fatal if swallowed and enters airways.

**Further information**
**Components:**

ALUMINUM COMPOUND:

Remarks: Lung


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**12. ECOLOGICAL INFORMATION**
**Ecotoxicity**
**Components:**
**STYRENE:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 4.02 mg/l  
 Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 4.7 mg/l  
 aquatic invertebrates Exposure time: 48 h

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 4.9  
 mg/l  
 Exposure time: 72 h

Toxicity to daphnia and other : NOEC (Daphnia magna (Water flea)): 1.01 mg/l  
 aquatic invertebrates Exposure time: 21 d  
 (Chronic toxicity)

Toxicity to bacteria : EC50 (activated sludge): ca. 500 mg/l  
 Exposure time: 0.5 h

Toxicity to soil dwelling : NOEC (Eisenia fetida (earthworms)): 34 mg/kg  
 organisms Exposure time: 14 d  
 Method: OECD Test Guideline 207

**Titanium dioxide:**

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
 aquatic invertebrates Exposure time: 48 h  
 Test Type: static test

**ALUMINUM COMPOUND:**

Toxicity to fish : Remarks: No data available

**COBALT COMPOUND:**

M-Factor (Short-term (acute) : 1  
 aquatic hazard)

Ecotoxicology Assessment  
 Short-term (acute) aquatic : Acute aquatic toxicity Category 1  
 hazard

Long-term (chronic) aquatic : Chronic aquatic toxicity Category 3  
 hazard

No data available


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**Persistence and degradability**
**Components:**
**STYRENE:**

Biodegradability : Result: Readily biodegradable.  
 Biodegradation: > 60 %  
 Exposure time: 10 d

**Talc:**

Biodegradability : Result: The methods for determining biodegradability are not applicable to inorganic substances.

**COBALT COMPOUND:**

Biodegradability : Result: Readily biodegradable.  
 Biodegradation: 60 %  
 Exposure time: 10 d  
 Method: OECD Test Guideline 301B

No data available

**Bioaccumulative potential**
**Components:**
**STYRENE:**

Bioaccumulation : Bioconcentration factor (BCF): < 100

Partition coefficient: n-octanol/water : log Pow: 2.96 (25 °C)

No data available

**Mobility in soil**
**Components:**
**STYRENE:**

Distribution among environmental compartments : Koc: 352

No data available

**Other adverse effects**
**Components:**
**STYRENE:**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

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**13. DISPOSAL CONSIDERATIONS**
**Disposal methods**

Contaminated packaging : Empty remaining contents.



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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 CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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**CN\_DG**

UN 1866	RESIN SOLUTION	3		III	
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

UN 1866	Resin solution	3		III	
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

UN 1866	Resin solution	3		III	
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**INTERNATIONAL MARITIME DANGEROUS GOODS**

UN 1866	RESIN SOLUTION	3		III	
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**\*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**

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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:**

DSL : All components of this product are on the Canadian DSL

AICS : Not 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

TCSI : Not in compliance with the inventory

TSCA : On TSCA Inventory

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), 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.

# INEOS

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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 abbreviations  
 AU OEL : Australia. Workplace Exposure Standards for Airborne Contaminants.  
 CN OEL : China. Occupational Exposure Limits  
 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

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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