

1. IDENTIFICATION OF SUBSTANCE AND COMPANY	
Product name	Spectral N 1290
Product description	Epoxy powder coatings system
Intended use	Powder Coating application by electrostatic spraying
Detail of company name	PT. ATLANTIC OCEAN PAINT Jl. Kepatihan Industri No. 6, Desa Kepatihan, Kec. Menganti, Guntung, Kepatihan, Gresik, East Java, 61174 - Indonesia
Emergency phone	031 - 51203009 / 031 - 99008814
Issued date	October 10 <sup>th</sup> , 2019
2. INFORMATION OF INGREDIENTS	
	Substance presenting a health hazard within the meaning of chemical (hazard information & packaging) regulations 1993 - NONE
3. HAZARD IDENTIFICATION	
	This product is not classified as dangerous according to the chemicals (hazard information & packaging) regulations 1993
4. FIRST AID MEASURES	
General	In all cases of doubt or when symptoms persist, seek medical attention, never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, make sure the patient breath fluently. If breathing is irregular or stopped, try to do artificial respiration or seek medical help immediately.
Eye contact	Contact lenses must be removed and use fresh water for washing to reduce/eliminate material from eye and seek medical advice.
Skin contact	Remove contaminated clothing, wash skin with soap thoroughly. Don't use any liquid cleaner.
Ingestion	If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
5. FIRE FIGHTING MEASURES	
Suitable extinguishing media	Use water spray or fog, carbon dioxide or dry chemical
Special hazard arising from the substances/mixture	Dust must be explosive if mixed with air in critical proportions and in the presence of a source ignition.
Advice for firefighter	Protective equipment : Firefighters, and others exposed, wear self - contained breathing apparatus. Wear full firefighting protective clothing.

<b>6. ACCIDENTAL RELEASE MEASURES</b>	Exclude sources of ignition and ventilate the area. Exclude non-essential personal. Avoid breathing dust. Refer to protective measures listed in section 7 & 8. contain and collect spillages with an electrically protected vacuum cleaner or by wet brushing and place in a closed container for disposal in accordance with the waste regulation.
<b>7. HANDLING AND STORAGE</b>	Person with a history of respiratory problem or allergic responses should only be exposed to, or handle this product under appropriate medical supervision.
<b>Handling</b>	Avoid contact with eyes, skin and clothing. Avoid breathing dust. Use with adequate ventilation. Keep container closed. Wash thoroughly after handling. Maintain good housekeeping to control dust accumulation. Provide good ventilation of working area (local exhaust ventilation if necessary). During processing and handling of the product comply with the indicative occupational exposure limit values.
<b>Storage</b>	Store in cool, dry, well ventilated placed away from sources of heat, ignitions, and direct sunlight. Keep container tightly closed.
<b>8. EXPOSURE CONTROL / PERSONAL PROTECTION</b>	Person with a history of respiratory problem or allergic responses should only be exposed to, or handle this product under appropriate medical supervision.
<b>Engineering measures</b>	Where the material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure when spraying or curing at elevated temperature.
<b>Respiratory protection</b>	Where exposure are exceed the established limit, use respiratory protection recommended for material and level of exposure.
<b>Exposure limit</b>	Coating powder should be treated as nuisance dust and the general 8 hour time weighted average, occupational exposure standards for dust are : Inhalable dust 10 mg/m <sup>3</sup> , Respirable dust 5 mg/m <sup>3</sup> .
<b>Eye protection</b>	Wear eye/face protection such as chemical splash proof goggles or face shield. Eyewash equipment and safety shower should be provided in areas of potential exposure.
<b>Skin protection</b>	Avoid skin contact, wear impermeable gloves and suitable protective clothing
<b>Hand protection</b>	Barrier cream may help to protect the exposed areas of the skin. They should however not be applied once exposure has occurred. Wear impermeable gloves.

<b>Additional advice</b>	Food, beverages, and tobacco should not be carried, stored, or consumed where this material is in use before eating, drinking, or smoking, wash face and hand thoroughly with soap and water.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Physical state</b>	Fine powder
<b>Specific gravity</b>	1.2 - 1.9
<b>Solubility in water</b>	Insoluble
<b>Minimum ignition temp</b>	400°C
<b>Minimum ignition energy</b>	5 ± 2 mJ
<b>Minimum explosible concentration (LEL)</b>	30 g/m <sup>3</sup>
<b>10. STABILITY AND REACTIVITY</b>	Stable under the recommended storage and handling condition (see section 7). In a fire hazardous decomposition such as smoke, carbon monoxide and oxide of nitrogen may be produced.
<b>11. TOXICOLOGICAL INFORMATION</b>	There is no data available on the product itself. Coating powder can cause localized skin irritation in folds of the skin or in contact with tight clothing.
<b>12. ECOLOGICAL INFORMATION</b>	There is no data available on the product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface water. The air pollution control requirements made under environment protection act.
<b>13. TRANSPORT INFORMATION</b>	The product is not classified as dangerous for carriage under international regulations.
<b>14. REGULATORY INFORMATION</b>	The product is determined as not being dangerous according to the requirements of the chemicals ( Hazard Information & Packaging ) Regulation 1993. The following safety phrases are included on the package : S24/25 : avoid contact with skin and eyes. S38 : In case of insufficient ventilation wear suitable respiratory equipment.