

Safety Data Sheet

Version No. 01/EN
 Revision NA
 Printing date 10 July. 2018

(according to Regulation EC 1907/2006)

1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name P.RED 180
 Registration no. Not available.

1.2 Relevant identified uses of substance or mixture and uses advised against

Identified uses COLORING

1.3 Details of the supplier of the safety data sheet

Company SEO JIN CORP.
 177 SORAJI-RO, PAJOO-SI, KYUNGGI-DO
 Telephone +82-2-819-8910

1.4 Emergency telephone number +82-2-819-8910

2. HAZARDS IDENTIFICATION

2.1 Hazard Classification

- Specific target organ systemic toxicity (Single exposure) : Category 3
- Specific target organ systemic toxicity (Repeated exposure): Category 2

2.2 Warning mark items including the precautionary statement

- Hazard pictograms



- Signal word: Warning

- Hazard statement
 - H335 May cause respiratory irritation
 - H373 May cause an allergic skin reaction in prolonged or repeated exposure
 - H332 Harmful if inhaled.
 - H319 Causes serious eye irritation.

- Precautionary statements
 - P271 Only handle outdoors or in a well-ventilated area.
 - P264 Wash hands thoroughly after handling.
 - P262 Avoid contact with eyes, skin and clothing.
 - P284 Wear respiratory protection.
 - P232 Avoid moisture.

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- Response: P304 + P340 If inhaled, move to fresh air. Get comfortable with a breathing posture.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. If possible, remove the soft lens. Continue to wash.
 P312 If you feel unwell, seek medical advice / attention.
 P314 If you feel uncomfortable, seek medical advice.
- Save: P405 Save and store.
- Disposal: Dispose of contents / container in accordance with local / regional / national / international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixture

Components	CAS No.	%	Classification
C.I Pigment Red 254	84632-65-5	34-38	
Surfactant Active Agent	9002-93-1	25-31	
Water	7732-18-5	35-37	

4. FIRST AID MEASURES

4.1 Description of first aid measures

- In case of eye contact Immediately wash with water and follow doctor's prescription.
- When in contact with skin Remove contaminated clothing and wash immediately with soap and water.
- In case of inhalation In case of inhalation of unclean air, consult a physician.
- When you eat Drink a lot of water. Get medical attention.

5. EXPLOSION, FIRE FIGHTING MEASURES

- 5.1 Flashing point No data
- 5.2 Natural ignition point No data
- 5.3 Lowest / highest flammability limit No data
- 5.4 Classification and regulation by Fire Service Act
 - Extinguishing media: water, powder, CO₂, halon
 - Extinguishing methods and equipment: Remove containers from fire area.
Use suitable fire extinguishing agent according to surrounding fire type.
 - Harmful combustion products: None

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- Do not get in skin, eyes or clothes.
- Do not eat or inhale.

6.2 Environmental precautions

- Do not spill water on the floor or contaminate the product.
- Do not release it immediately.

6.3 Methods and material for containment and cleaning up

- Collect as much as possible in case of leakage and dispose according to disposal method.
- To prevent dust from collecting

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

- Be careful not to generate dust when handling and be careful about contamination at workplace
- Handle with personal protective equipment (gloves, mask, safety glasses) on

7.2 Conditions for safe storage

- Keep away from food.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Engineering management method -

8.2 Respiratory Protection -

8.3 Eye protection - Wear safety glasses

8.4 Hand protection - Wear protective gloves

8.5 Body protection - Wear protective clothes

8.6 Hygiene precautions - Do not allow food and smoking around the handling area.

8.7 Allowable concentration - No data

9. PHYSICAL & CHEMICAL PROPERTIES

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Properties	Product
Appearance	Red liquid
Odor	None
PH	6~8
Solubility	No data
Melting point	No data
Explosiveness	No data
Oxidation	None
Vapor pressure	Not applicable
Specific Gravity	1.15-1.25(25°C)
Distribution Coefficient	No Data
Vapor Density	Not applicable.

10. STABILITY AND REACTIVITY

10.1 Chemical Stability	Stable at normal temperature and pressure
10.2 Conditions to avoid	Burnable but not easily burned,
10.3 Substances to avoid	No data
10.4 Hazardous decomposition products	Thermal decomposition products could include toxic oxides and nitrogen compounds.
10.5 Possibility of hazardous polymerization	No hazardous polymerization reaction has been reported at normal temperature and pressure

11. TOXICOLOGICAL INFORMATION

1) Effect on eyes	- Experimental rabbit showed no acute irritation
2) Effect on skin	- Experimental rabbit results in no acute irritation
3) Acute oral effects	- LD 50> 10,000 mg / kg (rat)
4) Acute inhalation effects	
5) Subacute effects	- No data
6) Chronic effects	- No data
7) Mutagenic effects	- No data
8) Next generation effects (reproductive toxicity)	- No data
9) Uniqueness	

12. ENVIRONMENTAL IMPACT

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- | | |
|--|--|
| 1) Environmental substances | - Ground pollutants Yes
Water pollutants Yes
Soil pollutants Yes |
| 2) Aquatic and Eco-toxicity | - No data |
| 3) Soil toxic | - No data |
| 4) Persistence and degradability | - No data |
| 5) Possibility of accumulation in vivo | - No data |

13. DISPOSAL CONSIDERATIONS

1) Regulation under Waste Management

Law

- | | |
|----------------------------------|--------------------------|
| 2) Disposal method | incineration or landfill |
| 3) Aquatic and eco-toxicological | No data |

14. TRANSPORT INFORMATION

- | | |
|---|---------------|
| 1) Classification and Regulation by Dangerous Goods Transport and Storage Regulations | No data |
| 2) Classification and regulation by ICAO / IATA, ADR, RID | No regulation |
| 3) Precautions for transportation | None |

15. REGULATORY INFORMATION

- | | |
|--|-----------------------------|
| 1) Industrial Safety and Health Act | - No regulatory information |
| 2) Hazardous Chemical Substances Control Act | - No regulatory information |
| 3) Other regulations | |

16. OTHER NOTES

- | | |
|--|--|
| 1) Source of data | - The material safety data sheet (MSDS) was partially edited with the data provided from the Korea Industrial Safety and Health Agency |
| 2) First created | - 2015.7.2 |
| 3) Number of revisions and final revision date | - Revision count 0 times |

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JONG IE NARA CO., LTD.

 DO H. JUNG/PRESIDENT