

SAFETY DATA SHEET

Product Name: 6130



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Date issued : 2017/01/12

Date revised: 2020/05/15

Product Name: RESIN 6130
Labeling and Color tone
(Colorless transparent)

Supplier: Scott AM Ltd
Address: Sutherland Works, Beaufort Road, Longton, Stoke on Trent,
Staffordshire, ST3 1RH, United Kingdom
Telephone: +44 (0) 1782 367 625

2. HAZARDS IDENTIFICATION

(Hazards identification is not made in case subject product is not applicable to the subject of classification, or unable to classify and or undividable.)

GHS classification: Not applicable. Outside the subject of classification, not classified and not divided.

GHS label element: Graphical display or symbol: -

Signal word: -

Hazardous information: -

Precautions:

[First Aid] Wear protective gloves, protective goggles and protective clothing.

[Measures]

Firefighting: Take appropriate extinguishing media in case of fire.

Inhalation: Move individual into fresh air and rest with ease of breathing.

Ingestion: Do not force to induce vomiting.

Eyes: Flush eyes with water carefully for several minutes. Wash eyes after removing contact lens if easy to remove.

Skin contact: Wash with water in large amounts using soap.

Skin or hair contact: Remove all contaminated clothing immediately. Wash the contaminated protective clothing before reuse.

Exposure: If exposed or there is a fear of exposure, seek medical attention. Recover leaked material.

[Storage] Store under cool and well-ventilated condition in tightly closed containers.

[Disposal] Subcontract disposal of chemicals and emptied containers to specialized industrial waste disposal treatment firm with permit by governor of municipal government.

3. COMPOSITION, INFORMATION ON INGREDIENTS

Distinction between single product and mixture: Mixture

Chemical Name: polyhydric alcohol

Ingredients and content:

Main Ingredients

Polymer of butane-1,4-diol

Content: 100%

Molecular formula : (C₄H₈O)_nH₂O

CAS Number: 25190-06-1

Carbon black (Black type)

Content: 0.2%

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CAS Number: 1333-86-4

No coloring agent used.

Remarks: Contents are typical values and not the specification.

4. FIRST AID MEASURES

- Skin:** Wash with water and soap thoroughly. Remove contaminated clothing and shoes.
- Eyes:** Flush with water for more than 15 minutes and seek for medical attention.
- Inhalation:** Move inhaled individual into fresh air area immediately. If individual is not breathing, unfasten the closing to secure easy breathing and give artificial respiration. Cover individual with blanket to keep him warm and at rest. Seek medical attention immediately.
- Ingestion:** Make sure not to induce vomiting by force. Seek medical attention immediately. Thorough cleaning of mouth with water may be helpful. Never give anything from mouth if individual is unconscious.

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Powder dry chemical, carbon dioxide, foam, large amount of spray water.
- Special Fire Fighting Procedures:** Use powder dry chemical, carbon dioxide etc. for fire at initial stage. For large scale fire, effective way is to use foam etc. to intercept air. Strait stream may risk fire expansion.
- Firefighting Protective Equipment:** Wear self-contained breathing apparatus during the firefighting activity to protect from vapor and decomposed gas (NO_x).

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Wear suitable protective gears at work and avoid inhalation of vapor or contact with skin. Prohibit use of fire etc. Remove surrounding fire sources quickly.
- Environmental Precautions:** If the spill is in large amounts, do not allow outsider to enter, construct a dike etc. to prevent spreading into drainage trench etc. and give caution to prevent the diffusion.
- Method of cleaning:** Clean and remove by absorbing with sand, soil, sawdust, etc., and rinse suspected leak area sufficiently with water.

7. HANDLING AND STORAGE

(Operate in accordance with relevant regulations such as Fire Services Act, Safety & Hygiene Act, Toxic & Violent Product Act, etc.)

- Handling:** Install local ventilation in handling area. Wear protective gears like protective goggles and protective gloves to avoid direct contact. Wear respiratory protective gears like gas mask, respirators etc. when necessary. Handle containers with care not to let content to spill out. Give sufficient hand wash and mouth-wash after handling. Ensure no smoking in handling area and prohibit use of naked fire or high heat source.

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Storage: Keep container tightly closed and store in dry, cool and dark place refraining from direct sun light. Purge container with nitrogen gas or dry air once opened and keep tightly closed again. Put up sign for fire prohibition and no entrance for outsiders.
Provide indoor storage place with fire resistant construction allowing sufficient ventilation, using non permeable material for flooring.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures:

Provide facility of closed construction and use non-permeable material for flooring.
Preferably, install local ventilation in indoor handling area.
Install readily accessible eye wash and body wash stations in the vicinity of handling area.
Do not place any high temperature and ignition source in the vicinity of handling area.

Personal protective equipment:

Respiratory protection: Gas mask for organic gas when ventilation is inadequate.
Hand protection : Solvent resistant protective glove
Eye protection : Full face shield standard glasses type or goggle type protective glasses.
Skin and body protection: Working clothing and safety shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Colorless transparent or a solid

Odor : Almost none

Viscosity at 25°C : 600 mPa.s (25 °C)

pH : -

Melting/Solidification point: 15°C

Boiling point, First distillation point and Boiling point range: -

Flash point : 176°C

Ignition point : -

Combustion or Explosion range, lower and upper limit: - / -

Vapor pressure : -

Specific Gravity : 0.99 (25°C)

Solubility : Soluble in alcohols, aromatic hydrocarbons, chlorinate hydrocarbons, ketones etc.

Octanol/water distribution ratio: -

Decomposition temperature: -

10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions.
Reactivity : Reaction with isocyanates.

11. TOXICOLOGICAL INFORMATION

Polyether polyol [aliphatic polyhydric alcohol (C₁₋₂₀) • alkylene oxide (C₂₋₄)]

Acute toxicity(Oral) : LD₅₀ > 5,000 mg/kg (Rat)

Irritability : Temporary light stimulation in case of contact with eye without corneal damage. No evidence of sensitivity or irritability with skin found in human test.

12. ECOLOGICAL INFORMATION

Handle with care incase of release and disposal considering ecological influence.

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Polyether polyol [aliphatic polyhydric alcohol (C₁₋₂₀) · alkylene oxide (C₂₋₄)]

Aquatic ecological acute toxicity: Unable to be classified.

13. DISPOSAL CONSIDERATIONS (Dispose of in accordance with national law, local regulation, etc.)

- Raw materials: Dispose of in adequate incineration facility.
Subcontract authorized industrial waste disposal treatment contractor for disposal.
Dispose as solid material after reacting with component B.
- Empty container: Subcontract authorized industrial waste disposal treatment contractor for disposal.

14. TRANSPORT INFORMATION

International Regulations

IATA

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

Transport in bulk according to Annex II MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

- Fire Services Act: Hazardous material Class 4 Petroleum No.3, Hazardous class 3
- Safety & Hygiene Act: Specified chemical substances: Not applicable
Ordinance on Prevention of Organic Solvent Poisoning: Not applicable
Substances subject to indicate: Not applicable
Substances subject to notify (Section 1 Article 57-2):
(130) Carbon black
- Poisonous and Deleterious Substances Control Law: Poisonous and deleterious substance Not applicable
- Chemical Substance Control Promotion Act: Not applicable
- Export Trade Control Order: Catch-All Controls

16. OTHER INFORMATION

- 1). Reference: 「Safety data sheet」 from PU raw materials suppliers.
「Guide for safety handling of polyurethane raw material-(2014)」 from PU raw materials Assn.
- 2). This data sheet has been prepared by summarizing the latest information on the safe and general industrial handling of chemical product. No guarantee however is made to its accuracy and completeness.
- 3). Values in this data sheet are not guarantee values.
- 4). This data sheet is subject to revision or modification due to the development of new information.
- 5). Users are requested to look and apply suitable safety measures if other chemical substances are mixed with the product or if the product is to be used under specific condition.
- 6). Evaluation of dangerous and hazardous properties is not always complete and all chemical products may hold undiscovered hazardous property. We therefore ask you to pay due attention in handling the product.