

MATERIAL SAFETY DATA SHEET

31-SERIES

1. PRODUCT IDENTIFICATION

Product name: Cleanosol 31Hxx, 31Exx, 31Sxx, 31Exx Yellow
 Type of product: Thermoplastic road marking material
 Supplier: Cleanosol AB
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Emergency telephone number: +46 44 20 39 00

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature of the compound

Component	Cas No.	Weight %	Symbol(s), R-pharse(s)
Hydrocarbon resin	64742-16-1	5 - 10	
Carbonates	16389-88-1	15 - 30	
Silicates	14808-60-7	15 - 30	Xn, R48/20
Titaniumdioxide	13463-67-7	1 - 5	

3. HAZARD IDENTIFICATION

HEALTH EFFECTS: INHALATION: The inert dust may cause nuisance in the respiratory organs.
 SKIN: Burns from molten material.
 ECOLOGICAL EFFECTS: Ecological effects are not known or expected under normal use.
 FIRE AND EXPLOSION: Fire hazard on molten material over its flash point.
 Toxic flue gas may occur.

4. FIRST AID MEASURES

INHALATION: Move to fresh air.
 SKIN: By major burns - cool the damaged area with water and consult a physician.
 By minor burns - cool the damaged area with water, apply a bandage.
 EYES: Rinse with plenty of water, if irritation persists, consult a physician.
 INGESTION: By unintentional consumption, drink water as a precaution.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use dry powder.
 EXTINGUISHING MEDIA WHICH MUST NOT BE USED: -
 FIRE AND EXPLOSION HAZARD: Fire hazard on molten material over its Flash point.
 SPECIAL PROTECTIVE EQUIPMENT: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Sweep up spilled material and place in suitable containers for recycle or disposal.

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7. HANDLING AND STORAGE

HANDLING: Minimize inhalation of dust. When melted, avoid burns. Handling of big bags should always be done according to instructions on the bag. Moisture in the material may cause the material foam when heated. At suspicion that the material contains moisture, for example when there is a damage on the package, extra pre-caution shall be taken during the melting process.

STORAGE: Avoid damage of the packing, protect open package against humidity.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Where contact may occur with molten material, wear protective clothes, gloves and protective goggles. Wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: Blocks or powdermix.
COLOUR: White or yellow
ODOUR: -
SOFTENING POINT: appr. 90°C
FLASH POINT: >220°C
AUTO-IGNITION TEMP.: >250°C
RELATIVE DENSITY: appr. 2 kg/dm³
WATER SOLUBILITY: Insoluble
SOLUBILITY IN ORG. SOLVENTS: Yes

10. STABILITY AND REACTIVITY

STABILITY: Chemically stable and non-reactive.

11. TOXICOLOGICAL INFORMATION

SHORT TERM EFFECTS:
Inhalation: High temperatures may generate vapor levels sufficient to cause irritation and other effects.
Eyes: Dusting of powder is mechanically irritating to eyes.
Skin: Molten material cause burns

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data available
 The material has low biodegradability

13. DISPOSAL

Place in an appropriate disposal facility in compliance with government & local regulations.

14. TRANSPORT INFORMATION

The product does not need to be labeled.

15. REGULATORY INFORMATION

The product does not need to be labeled.

16. OTHER INFORMATION

This information is valid only for the product itself. It is not valid if the product is blended with any other product and/or is used in a process that is not described in the text. According to the knowledge and experience of Cleanosol AB, this information is correct, but without assurance of being complete. It is therefore to your own interest to make it clear that this information is enough when using the product.