

Material Safety Data Sheet

Legacy™ Solid Surface Sheet

Version 1:0

Original Date: 07/09/2025

Ref No: 1008

This MSDS adheres to the standards and regulatory International Standard requirements and may not meet the regulatory requirements in some other countries other than India.

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

| | |
|----------------------------|--|
| Product Name | : Legacy™ Solid Surface Material |
| MSDS Number | : 1008 |
| Manufacturer | : 3Chem Surfaces Pvt. Ltd. GAT No. 45/2, 49/2, Village Aпти Khurd, Near Wada, Vikramgad Taluka, Dist. Palghar 401605, Maharashtra India |
| Product Information | : HSN Number- 3920 5119 |
| Medical Emergency | : +91-82915 93333 |
| Transport Emergency | : +91-82915 93333 |
| Other Information | : OSHA Hazard Communication Standard (29 CFR 1910.1200) requirements for Material Safety Data Sheets do not apply to this product. This product is excluded as an article. Information on potential hazards associated with product fabrication and/or installation are discussed in this datasheet. |

MSDS Meets 16 section GHS format and IS 17889:2022

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview

The product as such is not hazardous. The hazards of this product are associated mainly with its processing. Operations such as sawing, routing, drilling and sanding can generate dust. **WARNING!** May form combustible dust concentrations in air (during processing). High concentrations of dust can irritate eyes, nose and respiratory system and cause coughing and sneezing. Legacy™ Solid Surface material does not emit gas at room temperature. At higher temperatures, small amounts of methyl methacrylate and butyl acrylate can be released. The amounts are dependent upon temperature, time and other variables that the material is subjected to.

Potential Health Effects

Additives in this product do not present a respiration hazard unless the product is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled.

Carcinogenicity

| | | | |
|------------------|------|-----|------|
| Material | IARC | NTP | OSHA |
| Titanium Dioxide | 2B | | |
| Carbon Black | 2B | | |

**SECTION 3
COMPOSITION / INFORMATION ON INGREDIENTS**

| Component | CAS No | Concentration |
|------------------------|--------|---------------|
| Solid Surface Material | | 100% |

Exposure limits may be applicable for the following:

| | |
|--|----------|
| Dust (Inhalable and Respirable fraction) | |
| Methyl Methacrylate | 80-62-6 |
| Butyl Acrylate | 141-32-2 |

**SECTION 4
FIRST AID MEASURES**

| | |
|---------------------|--|
| Skin contact | : No hazards which require special first aid measures. |
| Eye contact | : Rinse thoroughly with plenty of water, also under the eyelids. |
| Inhalation | : If large amounts of dust are inhaled, or if exposed to fume from overheating or combustion, move to fresh air. |
| Ingestion | : No hazards which require special first aid measures. |

**SECTION 5
FIRE-FIGHTING MEASURES**

| | |
|-----------------------------|------------------|
| Flammable Properties | |
| Flash Point | : Not Applicable |

Fire and Explosion Hazard : Avoid generating dust, fine dust dispersed in air in sufficient concentrations, and in presence of an ignition source is a potential dust explosion hazard. Hazardous combustion product
Carbon monoxide Carbon dioxide (CO₂)
Methyl methacrylate monomer Aldehydes Butyl Acrylate

Suitable extinguishing media : Water spray, Dry chemical, Carbon dioxide (CO₂), Foam

SECTION 6 ACCIDENTAL RELEASE MEASURES

Note: Review Fire Fighting Measures and Handling (Personnel) sections before proceeding with cleanup. Use appropriate Personal Protective Equipment during clean-up.

Safeguards (Personnel) : No special precautions required.

Spill Cleanup : Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air.)
Non sparking tools should be used.

Accidental Release Measures : No special environmental precautions required.

SECTION 7 HANDLING AND STORAGE

Handling (Personnel) : Do not breathe dust. Do not breathe vapors or fumes that may be evolved during processing. Wash hands before breaks and at the end of workday. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Storage : No special storage conditions required.

SECTION 8 EXPOSURE CONTROL/ PERSONAL PROTECTION

Engineering controls : It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust dusts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Personal protective equipment.

Respiratory protection : No personal respiratory protective equipment normally required. Dust safety masks are recommended when the dust concentration is more than 10mg/m³.

Hand protection : Additional protection: Wear leather or cotton gloves when grinding, sawing, routing, drilling or sanding.

Eye protection : Safety glasses

Exposure Guidelines

Exposure Limit Values

Dust (inhalable and respirable fraction)

| | | | |
|------|---------|----------------------|---|
| PEL: | (OSHA) | 5 mg/m ³ | 8hr. TWA Respirable fraction |
| | | Remark | All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3. |
| PEL: | (OSHA) | 15 mg/m ³ | 8hr. TWA Total dust |
| TLV | (ACGIH) | 10 mg/m ³ | TWA Inhalable Particles |
| TLV | (ACGIH) | 3 mg/m ³ | TWA Respirable particles |

Methyl methacrylate

PEL: (OSHA) 100 ppm 410 mg/m³ 8 hr. TWA

PEL: (OSHA) 100 ppm 410 mg/m³ 8 hr. TWA

TLV (ACGIH) 50 ppm TWA

TLV (ACGIH) 100 ppm STEL

Butyl acrylate

TLV (ACGIH) 2 ppm TWA

AEL* (DUPONT) 2 ppm 8 & 12 hr. TWA, Skin

- AEL is 3Chem's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than AEL are in effect, such limits shall take precedence.

**SECTION 9
PHYSICAL AND CHEMICAL PROPERTIES**

| | |
|------------------|----------------------------|
| Form | : Solid |
| Color | : Various |
| Odor | : Odourless |
| Density | : 1.6-1.8g/cm ³ |
| Water solubility | : Insoluble |

**SECTION 10
STABILITY AND REACTIVITY**

| | |
|----------------------------------|---|
| Conditions to avoid | : None reasonably foreseeable. Stable under normal conditions. |
| Hazardous decomposition products | : Methyl methacrylate monomer, n-Butyl acrylate, Butyl acrylate |

SECTION 11 TOXICOLOGICAL INFORMATION

3Chem® Solid Surface Material Further information : This product has no known adverse effect on human health.

SECTION 12 ECOLOGICAL INFORMATION

Additional Ecological Information : This product has no known eco-toxicological effects.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal : Can be landfilled or incinerated, when in compliance with local regulations.

SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15 REGULATORY INFORMATION

TSCA Status : On the inventory, or in compliance with the inventory

DSL Status : This product contains one or several components listed in the Indian NSDL list.

Right to Know Regulated Chemicals : Substances on the DCPC List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Methyl methacrylate , Butyl acrylate

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Right to Know Regulated Chemicals : carcinogens, mutagens or teratogens): Methyl methacrylate, Butyl acrylate

WHMIS Classification : Not WHMIS Controlled.

**SECTION 16
OTHER INFORMATION**

3Chem® is a registered trademark of 3Chem India Private Limited.

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

Before use read 3Chem's safety information:

The Information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
