



TEK - C-UHPE Interleaving Powder

1 Identification

GHS Product Identifier

TEK - C-UHPE

Other means of identification

White powder

Recommended use of the chemical and restriction on use

Mechanical separator for glass

Supplier's details

Teknapack, Inc.
471 Apollo Drive, Suite 10
Lino Lakes, MN 55014
www.teknapack.com

Emergency phone number

1-651-780-0088
(Monday thru Friday; 7:30AM - 3:30PM CST)

2 Hazard(s) identification

Classification of the substance or mixture

Not classified hazardous.
No GHS label elements required.

GHS label elements

Other hazards which do not result in classification

May form combustible dust-air mixture if dispersed.
Spillages may be slippery.
Handle in accordance with good industrial hygiene and safety practice.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Ethylene, ploymer, CAS-RN; basic polymer.	9002-88-4		99.95 - 100	

4 First-aid measures

Description of necessary first-aid measures

Inhalation:

Remove the affected individual into fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, seek professional medical attention.

Skin Contact:

Wash thoroughly with soap and water. Wash clothing separately. Seek professional medical attention if irritation develops or persists.

Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Seek professional medical attention if irritation persists.

Ingestion:

If swallowed, do NOT induce vomiting. If vomiting occurs naturally, have individual lean forward to reduce risk of aspiration. Seek professional medical attention if ill effects occur.

Most important symptoms/effects, acute and delayed

Inhalation:

Inhalation of dust may cause coughing.

Skin Contact:

Not applicable.

Eye Contact:

May cause eye irritation. Symptoms may include scratching.

Indication of immediate medical attention and special treatment needed, if necessary

General:

Ensure that rescue and medical personnel take precautions to protect themselves.

Notes to Physician:

This product is essentially inert and nontoxic. However, if it is heated at too high a temperature or if it is burned, gases may be released. Patients who have been exposed to off-gases may need to have their arterial blood gases and carboxyhemoglobin levels checked. If the carboxyhemoglobin levels are normal, asphyxia (carbon dioxide replacing oxygen) is a possibility. As with any fire, irritant gases may have formed. If patients may have inhaled high concentrations of irritating fumes, they should be monitored for delayed onset pulmonary edema.

5 Fire-fighting measures

Suitable extinguishing media

Water mist, Foam, Dry Powder.

Do NOT use a solid water stream as it may scatter and spread fire.

Do NOT use water jet.

Specific hazards arising from the chemical

Carbon monoxides, Carbon dioxides and/or low molecular weight hydrocarbons.

Fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

Avoid generating dust.

Move containers from fire area if you can do so without risk. In event of fire, cool tanks with water spray.

Special protective actions for fire-fighters

Wear full protective gear, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing, and face mask.

Note:

Keep people away from and upwind of fire. Potential dust explosion hazard.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Caution - spillages may be slippery.

Wear personnel protective clothing and equipment. See Sections 7 and 8.

Do not breathe dust.

Remove all sources of ignition.

Environmental precautions

Prevent further spillage if safe to do so.

Methods and materials for containment and cleaning up

Avoid dust formation and dispersal. Potential dust explosion hazard. Remove all sources of ignition. Ensure adequate ventilation.

Do not create a powder cloud by using compressed air or brisk brushing. Pick up spillage by using a dust suppressant agent before sweeping or by wet-brushing or by use of an electrically protected vacuum cleaner.

Dispose of into appropriate container and according to local, regional, and national regulations.

7 Handling and storage

Precautions for safe handling

Wear appropriate personnel protective clothing and equipment. Wash hands thoroughly after contact. Avoid dust formation and build up. Maintain good industrial hygiene. No smoking. Avoid sources of ignition. Provide appropriate exhaust ventilation at machinery and places where dust can be generated.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and flame. All equipment used when handling the product must be grounded. Ground and bond containers when transferring material. Take measures to prevent the build up of electrostatic charge. Dry powders can build static electricity charges when subject to the friction of transfer. Emptying of bags of powder directly into vessels where flammable vapors exist should be strictly prohibited because static discharges can be generated of sufficient strength to produce an explosion. Use explosion proof equipment. Keep containers tightly closed in a cool, dry, well ventilated area is best. Tightly closed, ambient temperature and well ventilated storage area is acceptable. Stable under normal conditions of handling and storage. Keep away from food, drink and animal stuffs.

Incompatible products: Halogens, strong oxidizing agents, aromatic solvents.

8 Exposure controls/personal protection

Control parameters

Respirable Dust	5 mg/m ³ (OSHA PEL TWA)
Total Dust	15 mg/m ³ (OSHA PEL TWA)

This is a polymeric material and when used as recommended, has all hazardous constituents of the polymer wetted by the polymer system and therefore is unlikely to present exposure under normal conditions of use.

Appropriate engineering controls

It is recommended that 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. Ensure that dust handling systems (such as exhaust ducts, 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).

Individual protection measures

Respiratory protection: A suitable dust mask or dust respirator with filter P3 or FFP3 (EN 143 or EN149) may be appropriate. In the unlikely event of formation of particularly high levels of dust, a self contained breathing apparatus may be appropriate.

Skin protection: Appropriate clothing and gloves are recommended. Do not handle molten material without appropriate protective equipment and clothing.

Eye/Face protection: Safety glasses with side shields, safety goggles, or chemical goggles and face shield.

Protective equipment: Safety shower and eyebath should be readily available.

9 Physical and chemical properties**Physical and chemical properties**

Form: Solid, powder
Color: White
Odor: Slight, specific, polymeric

Not water soluble.

10 Stability and reactivity**Reactivity**

None known. Stable and non-reactive under normal conditions of use, transport, and storage.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Not expected to occur.

Conditions to avoid

Keep away from heat; flames, sparks, high temperatures (above 200° C).
Minimize dust generation and accumulation. Fine powder may present a dust explosion hazard. Appropriate measures should be taken to control the generation and accumulation of dust. Electric grounding of equipment and the minimization of ignition sources is required.

Incompatible materials

Halogens, strong oxidizing agents, aromatic solvents.

Hazardous decomposition products

Decomposition may occur under high temperature conditions. Under thermal decomposition, product emits Carbon monoxides, Carbon dioxides and/or low molecular weight hydrocarbons.

11 Toxicological information**Information on the likely routes of exposure**

Inhalation, skin, eyes, ingestion

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:

Dust, irritating to the respiratory tract. Inhalation may cause coughing.

Skin:

May cause mechanical irritation to skin.

Eyes:

Polymer particles, like other inert materials, are mechanically irritating to the eyes. Symptoms may include scratching.

Ingestion:

NOT for ingestion. Low toxicity by this route is expected based on biological activity of high molecular weight polymers.

Delayed and immediate effects and also chronic effects from short and long term exposure

See Symptoms, above. No chronic effects known.

Numerical measures of toxicity (such as acute toxicity estimates)

Toxicological data are not available. When handled appropriately, even after many years of experience with this product, no adverse health effects are known.

12 Ecological information

Toxicity

Ecotoxicological data are not available,

Persistence and degradability

Material is considered to be non-biodegradable.

13 Disposal considerations

Disposal methods

Dispose of spilled material and empty containers in accordance with local regulations for waste that is non-hazardous by Federal definition.

Note: This information applies to the material as manufactured; processing, use or contamination may make this information inappropriate, inaccurate, or incomplete.

This product, as shipped, is not RCRA hazardous waste under present EPA regulations.

14 Transport information

UN Number

Not applicable.

Transport hazard class(es)

Not applicable.

Packing group, if applicable

Not applicable.

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

TSCA Inventory: Ingredients comply.

SARA 311: Not regulated

SARA 313: Not regulated

Canada

Domestic Substance List (DCL): This product does not contain substances required to be disclosed according to the Canada WHMIS Ingredient Disclosure List.

16 Other information

Other information

The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed are the only ones which exist. No warranty of any kind, expressed or implied, is made herein concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. User has sole responsibility to determine the suitability of the materials for any use, and the manner of use contemplated. Use must meet all applicable safety and health standards. User is responsible to advise their workers and the general public of any risks resulting from use of this material.