Product Safety Assessment

GREAT STUFF™ Work Wipes


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Names
• GREAT STUFF™ Work Wipes

Product Overview
• GREAT STUFF™ Work Wipes are durable, disposable towelettes saturated with a mixture of solvents and water. The towelettes are orange in color and have a lemony odor.¹,² For further details, see Product Description.
• GREAT STUFF Work Wipes are used to clean-up small spills and messes on tools, hard surfaces, and hands.³ For further details, see Product Uses.
• GREAT STUFF Work Wipes are used in both industrial and consumer environments. Users should always read the product information before use and follow the label/use instructions. For further details, see Exposure Potential.
• Eye contact may cause irritation or corneal injury. Prolonged skin contact may cause skin irritation with local redness, but is unlikely to result in absorption of harmful amounts. Excessive inhalation may irritate the nose and throat, and result in anesthetic or narcotic effects or central nervous system depression. Very low toxicity if swallowed.⁴,⁵ For further details, see Health Information.
• The solvent components of GREAT STUFF Work Wipes are readily biodegradable, will not accumulate in the food chain (bioconcentration potential is low), and are slightly to moderately toxic to aquatic organisms on an acute basis.⁶,⁷ For further details, see Environmental Information.
• GREAT STUFF Work Wipes and the related solvents are stable under recommended storage and use conditions, but some components can decompose at elevated temperatures.⁸ For further details, see Physical Hazard Information.
Manufacture of Product

- **Capacity** – The Dow Chemical Company contracts with strategic partners for the production of GREAT STUFF™ Work Wipes in quantities sufficient to meet demand.
- **Process** – GREAT STUFF™ Work Wipes are produced by saturating towelettes with a mixture of water and several dibasic ester solvents, with small amounts of ethanol. The structures of the three main solvents are shown below.

![Chemical structures of dimethyl succinate, dimethyl glutarate, and dimethyl adipate.]

**Product Description**

GREAT STUFF™ Work Wipes consist of a durable, disposable towelette saturated with a mixture of solvents and water. The wipes are orange in color, have a lemony odor, and are stored in a sealed pouch before use. They have a smooth surface on one side and a scrubbing surface on the other. The solvent mixture may include up to 10% each of dimethyl glutarate (CAS No. 1119-40-0), dimethyl adipate (CAS No. 627-93-0), and dimethyl succinate (CAS No. 106-65-0), as well as small amounts of ethanol (CAS No. 64-17-5).

**Product Uses**

GREAT STUFF™ Work Wipes are used to clean-up small spills and messes on tools, hard surfaces, and hands. They will remove uncured GREAT STUFF insulating foam sealants, epoxy fillers and grouts, grime, grease, oil, tar, paints, caulks, stains, adhesives, ink and permanent markers, and rubber cement.

**Exposure Potential**

GREAT STUFF™ Work Wipes are used in the production of industrial and consumer products. Based on the uses for this product, individuals could be exposed through:

- **Workplace exposure** – Exposure can occur either in a facility that manufactures GREAT STUFF Work Wipes or in the various facilities that use this product. They are produced, distributed, and stored in closed systems. Those working with these products in manufacturing operations could be exposed during maintenance, sampling, testing, or other procedures. Each manufacturing facility should have a thorough training program for employees and appropriate work processes, ventilation, and safety equipment in place to limit exposure. See Health Information.
- **Consumer exposure to products containing GREAT STUFF Work Wipes** – This product is available to consumers. Always read the product information before use and follow the label/use instructions. See Health Information.
- **Environmental releases** – The solvent components of GREAT STUFF Work Wipes are soluble in water and have low volatility. When introduced, these compounds will have a tendency to remain in water. Because these components are readily biodegradable, it is expected that they will be removed from water and soil environments, including sewage treatment plants. Individual towelettes are intended for disposal in the trash. See Environmental, Health, and Physical Hazard Information.
- **Large release** – Due to the nature of GREAT STUFF Work Wipes, release to the environment is unlikely. They should not be dumped into sewers, on the ground or into any body of water, and should be disposed of according to all governmental regulations. In the event of a spill, the focus is on containing the spill to prevent contamination of soil and surface or ground water. Small spills of the solvent mixture should be absorbed with materials such as sand or soil. If a large spill does occur, the solvent should be captured, collected, and reprocessed or disposed of according to applicable governmental requirements. A spill of the solvent components may result in a slipping hazard. See Environmental, Health, and Physical Hazard Information.
- **In case of fire** – This product is not flammable, but dried residues can burn. Keep people away, isolate the area, and deny any unnecessary entry into the area. Use water fog, carbon-dioxide or dry-chemical extinguishers, or foam to fight the fire. Firefighters should wear positive-pressure, self-contained breathing apparatus (SCBA) and protective firefighting clothing. Follow emergency procedures carefully. See Environmental, Health, and Physical Hazard Information.

For more information, request the relevant Safety Data Sheet from the Dow Customer Information Group.
Health Information

Each GREAT STUFF™ Work Wipe consists of a towelette saturated with a mixture of organic solvents. This section covers health information for the solvent mixture.

**Eye contact** – Contact may cause eye irritation or corneal injury.

**Skin contact** – Prolonged contact may cause skin irritation with local redness, but is unlikely to result in absorption of harmful amounts.

**Inhalation** – Excessive exposure may cause irritation to the upper respiratory tract (nose and throat), as well as anesthetic or narcotic effects or central nervous system depression. Other symptoms may include dizziness or drowsiness.

**Ingestion** – Very low toxicity if swallowed. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

**Repeated exposure** – At high doses, a minor component has caused birth defects in laboratory testing.

For more information, request the relevant Safety Data Sheet from the Dow Customer Information Group.

Environmental Information

The solvent components in GREAT STUFF™ Work Wipes are soluble in water with low volatility. Once introduced, these components will have a tendency to remain in water with little tendency to bind to soil or sediment.

The solvent components are unlikely to persist in the environment. They are readily biodegradable, which suggests they will be removed from water and soil environments, including biological wastewater treatment plants. Individual towelettes are intended for disposal in the trash and would persist in the environment if improperly disposed.

The solvent components are not likely to accumulate in the food chain (bioconcentration potential is low), and are slightly to moderately toxic to fish (LC50/EC50 between 1 and 100 mg/L) and other aquatic organisms on an acute basis.

For more information, request the relevant Safety Data Sheet from the Dow Customer Information Group.

Physical Hazard Information

GREAT STUFF™ Work Wipes and the related solvent mixture are stable under recommended storage and use conditions. Some components can decompose at elevated temperatures. Avoid contact with strong acids, strong bases, and strong oxidizers.

For more information, request the relevant Safety Data Sheet from the Dow Customer Information Group.

Regulatory Information

Regulations may exist that govern the manufacture, sale, transportation, use, and/or disposal of GREAT STUFF™ Work Wipes. These regulations may vary by city, state, country, or geographic region. Information may be found by consulting the relevant Safety Data Sheet or Contact Us.

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Additional Information

- Request Safety Data Sheet from Dow Customer Information Group (www.dow.com/assistance/dowcig.htm)
- Contact Us (building.dow.com/na/en/tools/contactus.htm)
- Justification of Dibasic Esters (DBE) Category and Overview of DBE Robust Summaries, HPV Program, U.S. Environmental Protection Agency (www.epa.gov/hpv/pubs/summaries/dbe/c13453rt.pdf)

For more business information about GREAT STUFF™ Work Wipes, visit the website at greatstuff.dow.com/products/work-wipes.

References

NOTICES

As part of its 2015 Sustainability Goals, Dow has committed to make publicly available safety assessments for its products globally. This product safety assessment is intended to give general information about the chemical (or categories of chemicals) addressed. It is not intended to provide an in-depth discussion of health and safety information. Additional information is available through the relevant Safety Data Sheet, which should be consulted before use of the chemical. This product safety assessment does not replace required communication documents such as the Safety Data Sheet.

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