TECHNOLOGY

Killex Material Safety Data Sheet Allturf

PUBLISHED
November 25, 2026

REFERENCE
#1795580770927041

Understanding the Killex Material Safety Data Sheet for Allturf

When handling any chemical product, especially one designed for outdoor use like herbicides, safety should always come first. The **Killex Material Safety Data Sheet Allturf**is an essential document for anyone who applies, stores, or manages this specific herbicide formulation. Whether you are a professional landscaper, a golf course superintendent, or a homeowner looking after a large lawn, knowing how to interpret and apply the information on this safety sheet can prevent accidents, protect the environment, and ensure effective product use.

Killex is a well-known brand of selective herbicide used to control broadleaf weeds in turfgrass. The "Allturf" variant is specifically formulated for use on various grass types, making it popular for lawns, parks, sports fields, and golf courses. However, like all pesticides, it contains active ingredients that require careful handling. The Material Safety Data Sheet (MSDS), now often referred to as a Safety Data Sheet (SDS) under the Globally Harmonized System (GHS), provides a comprehensive overview of the product's hazards, composition, safe handling practices, and emergency measures.

This article takes a deep dive into the key sections of the **Killex Material Safety Data Sheet Allturf**, explaining what each part means for you and how to stay safe while achieving the best weed control results.

What Is a Material Safety Data Sheet (MSDS)?

A Material Safety Data Sheet is a detailed document that accompanies hazardous chemicals. It is designed to give workers and emergency personnel the information needed to handle the substance safely. For the **Killex Material Safety Data Sheet Allturf**, this includes everything from the chemical makeup of the herbicide to first aid measures if accidental exposure occurs. Regulatory bodies like the Occupational Safety and Health Administration (OSHA) in the United States and similar agencies worldwide require manufacturers to provide these sheets for any product that poses a health or physical hazard.

The MSDS is divided into standardized sections. Understanding these sections can help you quickly find the information you need, whether you are planning an application routine or responding to a spill.

Key Sections of the Killex MSDS for Allturf

Section 1: Identification

This section identifies the product name, manufacturer details, recommended uses, and restrictions. For **Killex Material Safety Data Sheet Allturf**, you will find the specific product code, the supplier's contact information, and a brief description of its use as a selective herbicide for turf. It also lists the emergency telephone number, which is critical in the event of a poisoning or spill.

Section 2: Hazards Identification

One of the most important sections, this outlines the classification of the product according to GHS criteria. The Killex Allturf formulation typically contains active ingredients such as 2,4-D, mecoprop-p (MCPP-P), and dicamba. These chemicals are classified as hazardous. The MSDS will indicate signal words like **"Warning"** or **"Danger"** and list hazard statements such as "Harmful if swallowed" or "Causes serious eye irritation." Precautionary statements tell you to wear protective gloves, eye protection, and wash hands thoroughly after handling. The **Killex Material Safety Data Sheet Allturf** also includes symbols like the exclamation mark for acute toxicity or the health hazard symbol for longer-term effects.

Section 3: Composition / Information on Ingredients

Here you find the chemical identity and concentration of each hazardous ingredient. For the Allturf product, the MSDS typically lists 2,4-D as a salt or ester, mecoprop-p, and dicamba, along with any inert ingredients. This information is vital for medical professionals if an adverse reaction occurs and for those who need to assess the environmental impact of a spill.

Section 4: First Aid Measures

This section gives step-by-step instructions for different exposure routes. If someone accidentally ingests the Killex Allturf herbicide, the MSDS advises not to induce vomiting unless directed by a poison control center. For skin contact, wash the area with plenty of soap and water. For eye contact, rinse cautiously with water for several minutes while removing contact lenses. Inhalation requires moving to fresh air. Always follow the **Killex Material Safety Data Sheet Allturf**first aid advice precisely because improper first aid can worsen the situation.

Section 5: Firefighting Measures

Killex Allturf is typically an aqueous solution and not highly flammable, but the MSDS will specify suitable extinguishing media (e.g., dry chemical, carbon dioxide) and any hazardous combustion products such as hydrogen chloride or nitrogen oxides. Firefighters should wear full protective gear and self-contained breathing apparatus if involved in a large fire involving the product.

Section 6: Accidental Release Measures

In the event of a spill, whether on a driveway or on turf itself, this section of the **Killex Material Safety Data Sheet Allturf**provides containment and clean-up procedures. It advises evacuating unnecessary personnel, preventing the product from entering drains and waterways, and absorbing the spill with inert materials like sand or vermiculite. Because the herbicide is designed to be applied to grass, small amounts spilled on turf may not require extensive action, but concentrated spills must be contained to avoid environmental damage.

Section 7: Handling and Storage

Safe handling practices include avoiding contact with skin and eyes, not eating or drinking while applying, and washing hands after use. Storage recommendations typically call for a cool, dry, well-ventilated area away from food, feed, and seed. The **Killex Material Safety Data Sheet Allturf**also specifies temperature ranges and incompatibilities (e.g., with strong oxidizers).

Section 8: Exposure Controls / Personal Protection

This section is critical for daily users. It provides occupational exposure limits (if any exist for the ingredients) and recommends engineering controls like ventilation. For personal protection, the MSDS will list **required PPE** : chemical-resistant gloves (e.g., nitrile or neoprene), safety glasses or a face shield, long-sleeved clothing, and rubber boots. When mixing or loading concentrated product, additional protection such as an apron or respirator may be advised. Always refer to the specific **Killex Material Safety Data Sheet Allturf**for the most current recommendations, as formulations can change.

Section 9: Physical and Chemical Properties

Here you find appearance (typically a clear liquid), odor (mild or characteristic), pH, boiling point, specific

gravity, and solubility. The Killex Allturf formulation is fully soluble in water, which is essential for its application. Knowing the pH can help with compatibility when tank-mixing with other products. This section also includes the product's flash point and auto-ignition temperature, though the herbicide is not considered flammable.

Section 10: Stability and Reactivity

The MSDS indicates that Killex Allturf is stable under normal conditions. It recommends avoiding extreme temperatures and incompatible materials. Hazardous polymerization does not occur. If the product is heated to decomposition, it may release toxic fumes, so firefighting precautions must be observed.

Section 11: Toxicological Information

This section details the acute and chronic effects of exposure. The **Killex Material Safety Data Sheet Allturf** will list LD50 values (oral, dermal, inhalation) for the product or its ingredients. 2,4-D, for example, has been studied extensively. The MSDS notes that prolonged or repeated skin contact may cause dermatitis. It also describes potential eye irritation and the importance of avoiding ingestion. Carcinogenicity classifications from agencies like IARC or NTP are provided if applicable. For the Allturf formulation, the ingredients are generally not classified as carcinogens when used as directed.

Section 12: Ecological Information

Because the product is a herbicide, it is inherently toxic to plants. The **Killex Material Safety Data Sheet Allturf** will provide information on its ecotoxicity to aquatic organisms, birds, and bees. It may state that the product is toxic to fish and aquatic invertebrates. Therefore, it is crucial to avoid application near water bodies or during heavy rain forecasts. The MSDS also addresses the product's potential for bioaccumulation and persistence in soil. For the Allturf variant, the active ingredients break down in the environment relatively quickly under aerobic conditions, but care is still required.

Section 13: Disposal Considerations

Disposal must follow local, state, and federal regulations. The MSDS advises that unused product should not be disposed of by pouring down drains or into waterways. Triple-rinsing empty containers and offering them for recycling or disposal is standard. The **Killex Material Safety Data Sheet Allturf**directs users to contact their local waste management authority for specific guidance.

Section 14: Transport Information

This section covers the proper shipping name, hazard class, and UN number if the product is classified as dangerous goods. For Killex Allturf, it is often classified as Environmentally Hazardous Substance, Liquid, N.O.S. (containing 2,4-D and dicamba), with UN number 3082. Packing group III. Shippers must use proper labeling and packaging to comply with transport regulations.

Section 15: Regulatory Information

Here you find relevant safety, health, and environmental regulations. The **Killex Material Safety Data Sheet Allturf**lists US TSCA status, Canadian DSL status, and state-specific regulations like California Proposition 65 if applicable. It also references FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) registration information. Users must ensure they hold the appropriate licenses or certifications required by their jurisdiction to apply restricted-use pesticides.

Section 16: Other Information

This final section includes revision dates, the date of the last MSDS update, and any disclaimers. It may also provide references to the key literature used in compiling the safety data. It is wise to verify that you have the most current version of the **Killex Material Safety Data Sheet Allturf**, as formulations and regulations evolve.

How to Use the Killex MSDS for Safe Application

Reading the MSDS is the first step toward safe herbicide use. However, applying that knowledge in the Killex Material Safety Data Sheet Allturf here are practical tips derived from the

- Before spraying: Review the first aid measures and have a fully stocked first aid kit nearby. Ensure you have the recommended PPE: unlined nitrile or neoprene gloves, chemical-resistant clothing, and eye protection.
- During mixing: Use a clean measuring device. Never use kitchen utensils. Avoid creating dust or spray mist. Work in a well-ventilated area.
- During application: Do not eat, drink, or smoke. Avoid spraying on windy days to minimize drift onto non-target plants, especially gardens and water features.
- After application: Wash all protective gear separately from family laundry. Shower and change into clean clothes. Keep children and pets off the treated area until the spray has dried completely, as per label instructions.
- Emergency preparedness: Keep a copy of the Killex Material Safety Data Sheet Allturf accessible in your workspace or vehicle. In case of accidental ingestion or severe reaction, call your local poison control center or emergency services and provide the MSDS details to medical personnel.

Environmental Stewardship and the Killex Allturf MSDS

The ecological information on the MSDS highlights the need for responsible use. Because the product is designed to kill broadleaf weeds, it can also harm desirable broadleaf plants, shrubs, and trees if drift occurs. Moreover, 2,4-D and dicamba have been detected in groundwater in some regions. By following the storage, handling, and disposal instructions in the **Killex Material Safety Data Sheet Allturf**, you minimize the risk of contaminating soil and water. Always calibrate your sprayer to avoid over-application, and never exceed the labeled rates, which are based on safety and efficacy data.

Conclusion

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