

Starshield AstralBlaze Foam

AstralBlaze Foam is a fire-suppression foam created by the [Yugumo Corporation](#) in [YE 45](#).



Year of Creation	YE 45
Designer	Yugumo Corporation
Nomenclature	YU-U2-1A
Manufacturer	Yugumo Corporation
Fielded by	Yugumo Corporation
Availability	Mass Production
Price	Starting at 10KS/L

History and Background


AstralBlaze Foam was created by the [Yugumo Corporation](#) in [YE 45](#) as part of its [Yugumo Standard Fire-Fighting Equipment and Systems](#). It was designed to provide a multipurpose fire-suppression foam for use on starships, space stations, and other facilities.

Function and Design

AstralBlaze Foam is composed of nanoscale particles and [nanites](#) suspended in a gel-like matrix,

creating a highly stable and cohesive substance. These nanoparticles are engineered to exhibit unique properties that make AstralBlaze exceptional in firefighting applications. These engineered particles not only smother flames but also neutralize dangerous chemical reactions in industrial settings, making them suitable for complex and hazardous fire scenarios. It can regulate temperature and oxygen levels within the fire zone, creating a controlled environment that helps firefighters manage the situation more effectively.

Usage

AstralBlaze can be deployed like any other fire-suppression foam. It can be deployed remotely, either by autonomous firefighting drones or through a sprinkler system. It can also be deployed remotely by a hand-held  [fire extinguisher](#). This allows for rapid response to fires in hazardous environments. Once deployed it can spread autonomously within a fire zone, optimizing coverage and ensuring the containment of flames even in large or rapidly spreading fires.

This foam can be used in:

- **Space Firefighting:** AstralBlaze is essential for space stations and spacecraft, where traditional firefighting methods are inadequate due to the lack of gravity.
- **Industrial Settings:** It's ideal for chemical plants, oil refineries, and other high-risk industrial facilities, where a variety of hazardous materials can fuel fires.
- **Wildfire Suppression:** AstralBlaze can be deployed from specialized firefighting aircraft to contain and extinguish wildfires, even in adverse weather conditions.
- **Urban Firefighting:** It's equally effective in urban firefighting, where it can be remotely deployed into burning buildings or hazardous areas.
- **Emergency Response:** AstralBlaze can be used by first responders in situations involving hazardous materials, ensuring quick and efficient fire control.

Safe

AstralBlaze Foam is designed to minimize environmental impact. It breaks down into harmless byproducts after extinguishing a fire, and its production process is eco-friendly.

OOO Notes

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Products & Items Database	
Product Categories	tools
Product Name	Starshield AstralBlaze Foam
Nomenclature	YU-U2-1A
Manufacturer	Yugumo Corporation, Yugumo Fleetworks
Year Released	YE 45
Price (KS)	10.00 KS
DR v3 max	Tier 0

¹⁾

<https://starmy.com/roleplay-forum/threads/yugumo-standard-fire-fighting-equipment-and-systems.70852/#post-440037>

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