

MATERIAL SAFETY DATA SHEET

Identification

<u>Product Name:</u>	Ultimate Comfort.	<u>U.N. Number:</u>	None
<u>Other Names:</u>	Flexible Polyurethane Foam Combustion Modified Polyether-urethane Foam	<u>Dangerous Goods Class/ and Subsidiary Risk:</u>	None
		<u>Hazchem Code:</u>	None
		<u>Poisons Schedule:</u>	None

Manufacturer's Codes:

HR36-80CM5, HR36-110CM5 HR36-130CM5, HR36-160CM5, HR38-200CM5,
HR50-120CM5, HR50-320CM5, HR65-200CM5

Uses: Upholstery, Bedding, and Componentry.

Physical Descriptions/Properties

<u>Appearance:</u>	Flexible, cellular structure, white to off white, natural colour, or specified colour. (Shade will change slowly on exposure to air).
<u>Boiling Point:</u>	Not applicable.
<u>Melting, Thermal</u>	
<u>Decomposition Ranges:</u>	335 - 370°C
<u>Vapour Pressure:</u>	None
<u>Percent Volatiles:</u>	None
<u>Specific Gravity:</u>	Apparent density of 15 - 100 kg/m ³
<u>Flash Point (°C):</u>	>250°C
<u>Flammability Limits:</u>	Material can be ignited by an open flame or by a source for smouldering ignition.
<u>Auto ignition</u>	
<u>Temperature (°C):</u>	>260°C short term. Avoid long-term exposures over 135°C.

Ingredients (includes all hazardous chemicals)

Chemical Entity	CAS No.	Proportion
Polyurethane Foam	9009-54-5	High content (>60%)
Halophosphate		Low Content (<20%)

Note: As polyurethane foam is classified as an "article" it is not required to be listed on the Australian Inventory of Chemical Substances.

Health Hazard Information

<u>Health Effects:</u>	None expected from normal handling. The polymer is essentially inert with low oral or dermal toxicity. Inhalation of foam dust should be avoided. Temperatures in excess of 135°C encountered in any processing or other use will produce irritating or toxic fumes.
<u>First Aid:</u>	In case of overexposure to fumes, vapours or smoke, remove victim to fresh air. Render breathing assistance if needed and consult a physician. In case of eye irritation from contact of foam dust, fume, vapour and smoke, flush with ample quantities of water or suitable eyewash for 15 minutes. Consult a physician

Precautions for Use

<u>Exposure Limits</u>	Not applicable.
<u>Ventilation</u>	None required under normal conditions. Ventilation required where material is processed with flame or hot cutting wires.
<u>Personal Protection</u>	
<u>Respiratory Protection:</u>	None required unless fumes or dust is involved.
<u>Protective Gloves:</u>	None required.
<u>Eye Protection:</u>	As appropriate around moving machine parts during fabrication or if dust protection required.
<u>Flammability</u>	The material should be kept away from sparks, smokers' materials, and open flame and from excessive heat. Smoking should be forbidden in areas where material is stored or processed. Foam may burn rapidly with high heat and evolution of black smoke. Flammability ratings of small-scale laboratory tests are not to be taken as an indication of the material's behaviour in an actual full-scale fire.

Safe Handling Information

<u>Storage & Transport</u>	Maintain adequate fire protection where large volumes of foam are kept, eg. warehouse, fabrication areas and storage rooms. Check for compliance with insurance regulations, local building codes or other legal requirements.
<u>Spills & Disposal</u>	Waste may be shredded or baled for re-use. Dispose or landfill or incineration as required by local or state regulation.
<u>Fire/Explosion Hazard</u>	If ignited the product may melt, producing flammable liquids. Burning produces toxic gases, such as carbon monoxide, oxides of nitrogen and hydrogen cyanide and intense heat, dense smoke.
<u>Extinguishing media</u>	Dry chemical, water, carbon dioxide.

Special fire fighting procedures Wear self-contained breathing apparatus.

Other Information Refer to Plastics Industry Association publication:
"Flexible Polyurethane Foams - Its Uses and Misuses

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