

# Charles Faram & Co Ltd

Hop Factors & Merchants Since 1865

The Hopstore

Monksfield Lane

Newland

Nr. Malvern, Worcs

WR13 5BB

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## MATERIAL DATA SAFETY SHEET – Type 90 Pellets

MATERIALS OR COMPONENTS	
Pelletised, powdered cones of the cultivated hop plant <i>Humulus Lupulus</i> . Hop Pellets are available from many varieties of hops; this MSDS applies equally to all varieties.	
PHYSICAL DATA	
Boiling Point (°F)	Not applicable
Specific Gravity (H <sub>2</sub> O=1)	Not applicable
Vapour Pressure (mm Hg.)	Not Applicable
Percent Volatile by Volume (%)	Applicable only to the essential oil fraction which comprises 0.5 - 5%
Vapour Density (AIR=1)	Not applicable
Evaporation Rate (_____ =1)	Not applicable
Solubility in Water	Slight
Appearance and Odour	Solid pellets, approx. 6mm dia. X 10-15mm long, density ca 550-650grms/litre. Colour: various shades of green depending on variety. Aroma: typical, hoppy, depends on variety.
FIRE AND EXPLOSION HAZARD DATA	
Flashpoint (method used)	Not applicable
Extinguishing media	Water or CO <sub>2</sub>
Specific Fire Fighting Procedures	None required
Unusual Fire and Explosion Hazards	None known, very fine powdered hop dust, if ignited, can be explosive under certain circumstances in enclosed hoppers/tanks.
HEALTH HAZARD DATA	
Threshold limit value	None
Effects of Overexposure	None known
Emergency and First Aid Procedures	None required Wear protective dust mask for handling large quantities. Remove from skin by washing with mild soap and water.
SPILL OR LEAK PROCEDURES	
Steps to be taken in case material is released or spilled	Normal clean-up procedures as for any agricultural commodity
Waste Disposal methods	Biodegradable material acceptable in landfill sites.

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