



Document Title: **Raw Materials Register**

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Type	Raw material/function	Chemical Nature/Composition Where Appropriate	Addition Point	Environmental Impact	Is There a Suitable Alternative For Those With Significant Impact Potential?
Livestock	Lambs/Sheep	Natural product (animal)	Lairage	This material is completely biodegradable. Potential negative impact on trade effluent from animal manure. There may be potential health risks associated with animals due to bacterial and/or viral infections.	No viable alternative
Meat	Lamb/Sheep carcass	Natural product (animal)	Lairage	This material is completely biodegradable. There may be potential health risks from waste material.	No viable alternative
Water	Washing/Rinsing	Water			No viable alternative
Hide Preservation	Salt	Sodium chloride	By-Products Area	Potential negative impact on trade effluent quality in the event of spillage	Not viable. Material is specified by the customer
Hide Preservation	Ice	Water	By-Products Area	No environmental impact under normal use.	No viable alternative available
Packaging Material	Pallets	Wood	Boning/Abattoir/Hide Shed	Pallets are returnable/reused. Damaged pallets are collected by waste company.	No viable alternative available
Packaging Material	Cartons	Cardboard	Red Offal Room and Boning Hall	Cardboard is baled and the bales are then collected by a specialist waste recycling company.	Specified by customers
Packaging Material	Labels	Paper	Red Offal Room and Boning Hall	Indirect impact through landfill.	Specified by customers
Packaging Material	Sleeves	Paper	Red Offal Room and Boning Hall	Indirect impact through landfill.	Specified by customers
Packaging Material	Plastic trays, shrink wrap, vac pac	Plastic	Red Offal Room and Boning Hall	Clean plastic is baled and collected by a specialist waste recycling company. Contaminated plastic is currently sent for landfill.	Specified by customers
Oils	Kerosene (boiler fuel)	Hydrocarbons	Boiler	Spillages may penetrate the soil causing ground water contamination. Not readily and can be expected to bioaccumulate. Some short-term toxicity to aquatic and marine organisms.	No viable alternative available
Oils	Diesel (DERV)	Hydrocarbons	Vehicles	Spillages may penetrate the soil causing ground water contamination. Not readily and can be expected to bioaccumulate. Some short-term toxicity to aquatic and marine organisms.	No viable alternative available
Oils	Food Safe Lubricant			Spillages may penetrate the soil causing ground water contamination. Not readily and can be expected to	No viable alternative available



				bioaccumulate. Some short-term toxicity to aquatic and marine organisms.	
Oils	Engine Oil	Mineral oil	General plant and equipment	Not readily biodegradable. Leaching and penetration through surface soils is generally regarded as resulting in long term persistence. Product may be harmful to aquatic life.	No viable alternative available
Oils	Gearbox Oil	Mineral oil	General plant and equipment	Not readily biodegradable. Leaching and penetration through surface soils is generally regarded as resulting in long term persistence. Product may be harmful to aquatic life.	No viable alternative available
Refrigerant	Chilling	Ammonia		Potential negative impact to trade effluent quality in event of spillage. Potential health effects from leaks to air.	Best environmental option currently practised as refrigerant is completely retained.
Refrigerant	Glycol	Ethane-1,2-diol		Potential negative impact to trade effluent quality in event of spillage. Potential health effects from leaks to air.	Ammonia
Refrigerant	R-404 R-448 R-410 R-134 R-600	HFCs	Boning Hall, Chill Rooms, Blast Freezers, Box Chill 2, Cold store, Pallet Store, Loading Bay, Dispatch, Ice Maker	Has a zero Ozone Depleting Potential but has the disadvantage of a higher Global Warming Potential than Ammonia.	Ammonia
Disinfectant and Cleaning Chemicals	Disinfectant	Potassium hydroxide, sodium silicate, phosphoric acid, surfactants, iodine, peroxyacetic acid, hydrogen peroxide, acetic acid.			
Disinfectant and Cleaning Chemicals	Foam Cleaner				
Disinfectant and Cleaning Chemicals	Sanitiser				
Disinfectant and Cleaning Chemicals	Personal hygiene and PPE cleaning	Surfactants, phosphates, sodium salt	Laundry, hand soap dispensers	Potential negative impact to trade effluent quality in event of spillage. Material is readily biodegradable.	Best environmental option currently practised.
Disinfectant and Cleaning Chemicals	Detergent	Sodium hydroxide	Tray wash	Contains no organic compounds that are toxic to organisms in an aqueous medium and is readily biodegradable.	Best environmental option currently practised.
Disinfectant and Cleaning Chemicals	Vehicle detergents	Sodium hydroxide	Vehicle Wash Area	Contains no organic compounds that are toxic to organisms in an aqueous medium and is readily biodegradable.	Best environmental option currently practised.
Personal Protective Equipment (PPE)	Boots		Amenity Areas		Not viable. Material is specified by the customer
Personal Protective Equipment (PPE)	Hats		Amenity Areas		Not viable. Material is specified by the customer



Personal Protective Equipment (PPE)	Gloves		Amenity Areas		Not viable. Material is specified by the customer
Personal Protective Equipment (PPE)	Coats		Amenity Areas		Not viable. Material is specified by the customer
Personal Protective Equipment (PPE)	Trousers		Amenity Areas		Not viable. Material is specified by the customer
Personal Protective Equipment (PPE)	Boots		Amenity Areas		Not viable. Material is specified by the customer
Personal Protective Equipment (PPE)	Hair Nets		Amenity Areas		Not viable. Material is specified by the customer
Personal Protective Equipment (PPE)	Chain Mail		Amenity Areas		Not viable. Material is specified by the customer
Personal Protective Equipment (PPE)	Aprons		Amenity Areas		Not viable. Material is specified by the customer
WWTP Chemicals	Caustic 5-50% SOLN	Sodium Hydroxide	WWTP	Contains no organic compounds that are toxic to organisms in an aqueous medium and is readily biodegradable.	Best environmental option currently practised.
WWTP Chemicals	Ferric Chloride	Iron trichloride, hydrochloric acid 1-5%, Nickel dichloride.	WWTP	Harmful to aquatic life. Product is readily biodegradable.	Best environmental option currently available.
WWTP Chemicals	Flocculant; Envirofloc	Alkanes, alcohols	WWTP	Potential negative impact to trade effluent quality in event of spillage. Toxic to aquatic life. Biodegradable in water by adsorption on activated sludge.	No viable alternative available