	Waste Manag	gement Process		
Upstream in Value Chain	Own Activities		Downstream in Value Chain	
Feedstock/ Raw Material	Intermediate Product	Downstream Product	Industry	
Sugarcane	Ethanol		Automotive Fuel	
Crude Palm Oil	Methyl Ester - Refined Glycerine (By Product)		Pharmaceutical Home Care and Personal Care	
- Palm Stearin - Palm Fatty Acid Distillate	- Neimed Glycerine (By Floddict)			
Palm Kernel Nut	Fatty Alcohol	Specialty Oleochemicals	Home Care and Personal Care	
Refined Bleached Deodorized Palm Kernel Oil	Refined Glycerine (By Product)			
Crude Palm Kernel Oil	Fatty Alcohol	Specialty Oleochemicals	Home Care and Personal Care	
- Palm Stearin	Refined Glycerine (By Product)			
Ethylene Oxide		Fatty Alcohol Ethoxylate (TEX products)	Home Care and Personal Care	
	Used desiccants / Used as a substitution in cement plant kiln Fluorescent Tube / Reused Lube oil/ Used oil / Reused Spent CuZn Catalyst, Katalysa TOR612 / Export as a reused material Chemical bottles and bags / Burned in hazardous waste incinerators	Waste oil / Used as a composition in fuel blending production Scum Oil / Used as a composition in fuel blending production Glycerine Residue (Salt) / Used as a composition in fuel blending production Glycerine Residue (Sludge) / Used as a composition in fuel blending production		
	Lab Waste / Burned in hazardous waste incinerators Oil-contaminated materials, chemical materials / Used as a composition in fuel blending production Degraded-chemical materials, such as Fatty Alcohol, Glycerine, Palm Oil / Used as a	Used IBC / Sorted and traded Spent Activated Carbon/ Recycled Wastewater sludge Glycerin Residue High Concentration / Treated using biological wastewater technique Solid waste/ Disposed by burying at a sanitary landfill site Wood waste / Sorted and traded		
	composition in fuel blending production Used Filter / Used as a composition in fuel blending production Jumbo Bag (chemical-contaminated packaging) / Used as a composition in fuel blending production MEG-contaminated water / Used as a composition in fuel blending production Waste oil / Used as a composition in fuel	Aluminium waste / Sorted and traded Stainless waste / Sorted and traded Wires / Sorted and traded Metal waste / Sorted and traded Plastic waste / Sorted and traded Paper waste (paper and boxes)/ Sorted and traded Concrete waste / Sorted and traded		