

ACID SCAVENGER-HT4V



Introduction

Synthetic Hydrotalcite is a layered double hydroxide of general formula (Magnesium Aluminium Hydroxide Carbonate). Synthetic Hydrotalcite acts as excellent acid scavenger, halogen scavenger, stabilizer, for polyolefins produced by ZieglerNatta process.

Applications

1. Used in pharmaceutical industry, as an antacid agent.
2. Acid scavenger in PVC & Polypropylene.
3. Acid scavenger when using halogen-based flame retardants in plastic compounding.

Benefits

- 1 Safe (Approved for food contact applications).
- 2 Non-Kosher/Non -Halal requirement.
- 3 Efficient (Applications require only small dosages).
- 4 Polymer yellowing is suppressed.
- 5 No problems like stearic vapour problem.
- 6 Low water carryover.
- 7 Synthetic Hydrotalcite irreversibly adsorbs acidic catalytic residues.
- 8 Synthetic Hydrotalcite when used along with Halogenated flame retardants prevents, damaging side effects, such as corrosion of processing equipment and degradation of the polymer.
- 9 Synthetic Hydrotalcite has very nominal effect on mechanical strength of the end product.



Product FDA Status

Synthetic Hydrotalcite is approved for use in food contact polymer as per the following chapter headings.

Title		21 Food And Drug
Chapter	I Food and Drugs Administration, Department Of Health And Human Services (Continued)	
Sub Chapter	B Food for human consumption	
Part	177 Indirect Food Additives : Polymers	

	Use Food Contact Surfaces.
Sub Part	Substances in polymers Basic Components of Single and Repeated



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