

- **BioFurans Materials (BioFM) LLC
Technology**

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- 2021



Chemistry for Safer, Sustainable Life

Recycling Bakery Wastes as Industrial Feedstocks For Metal Salts & Esters



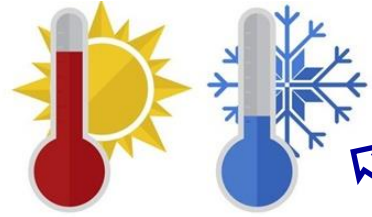
Bakery Wastes



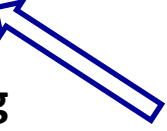
Reactor



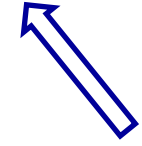
Metal Salts & Esters



Heating & Cooling



Pharma



Automotive



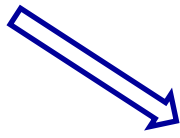
Agrochemicals



Construction



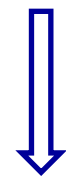
Cosmetics



Coatings & Adhesives



Detergents

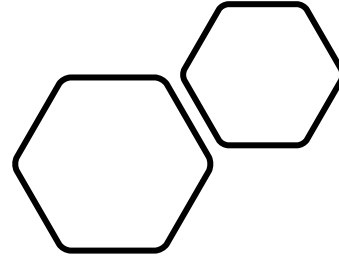


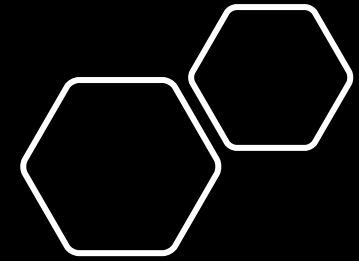
Flavor & Fragrance

Privileged & Confidential

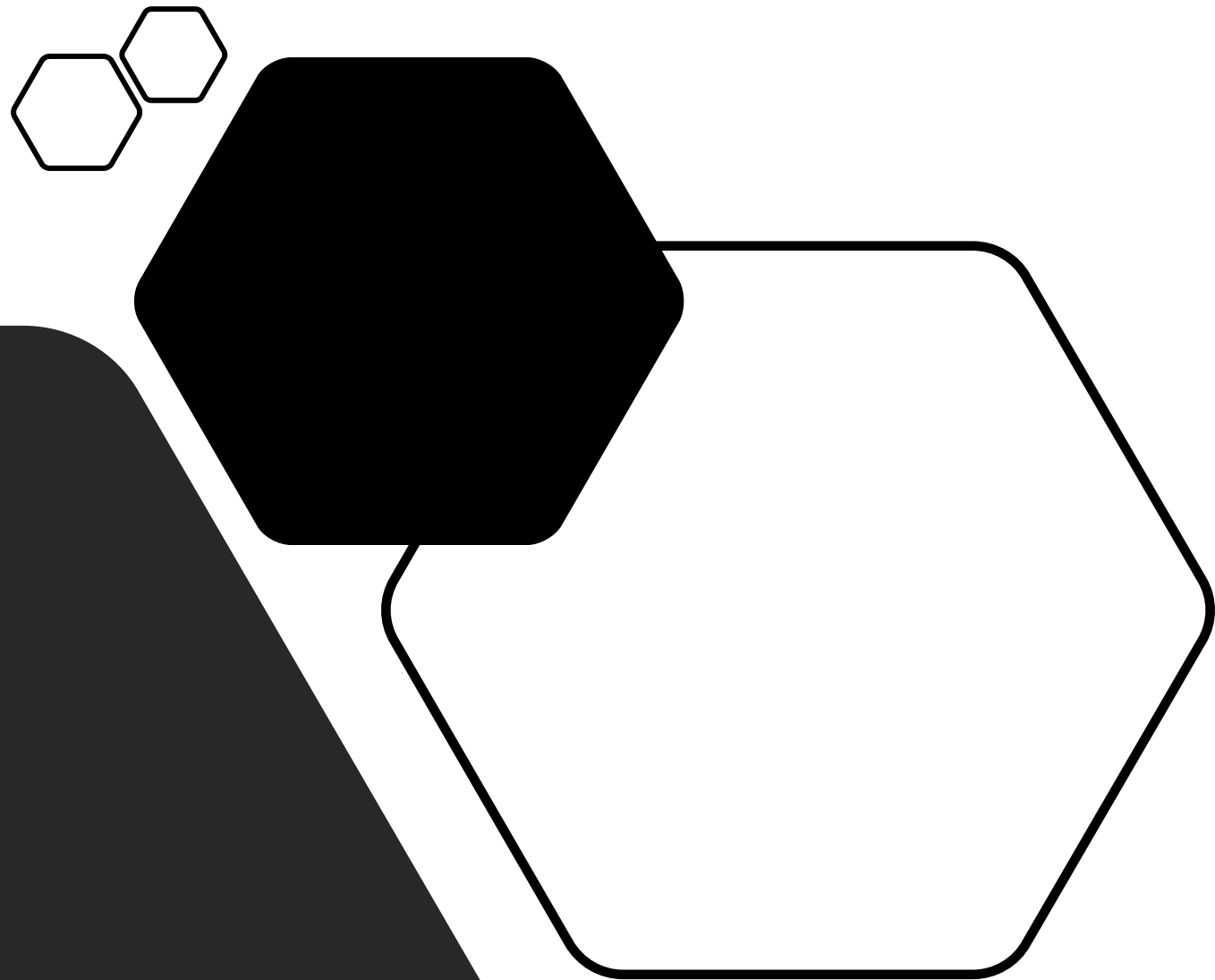
BioFurans Materials LLC

BioFM Raw Materials





BioFM
Exemplary
Product and
Uses



Sodium formate Uses



Enzyme stabilizer Fabrics brightener

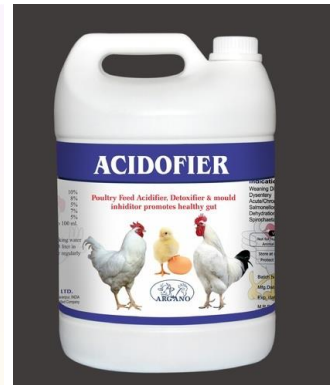
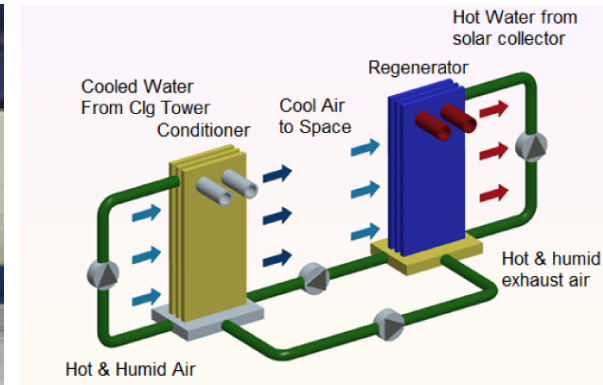
Buffer for mineral acids

Leather tanning agent

Bleach precursor

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Potassium formate Uses



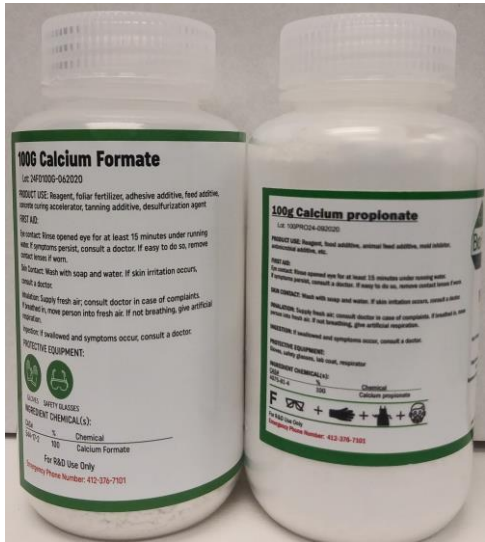
De-icer

Ice rink refrigerant

Dehumidifier desiccant

Feed Acidifier

Calcium levulinate Possible Uses



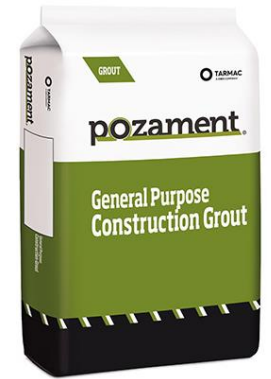
Feed fortifier



Calcium tablets



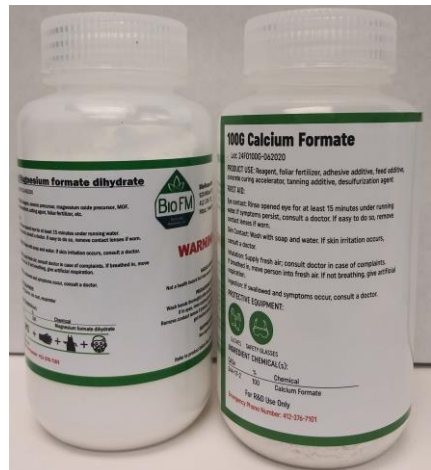
Foliar fertilizer



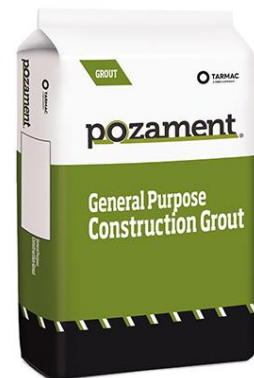
Setting additive

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Calcium formate Uses



Foliar fertilizer



Setting additive



Safety airbag inflator



Pickling Brine

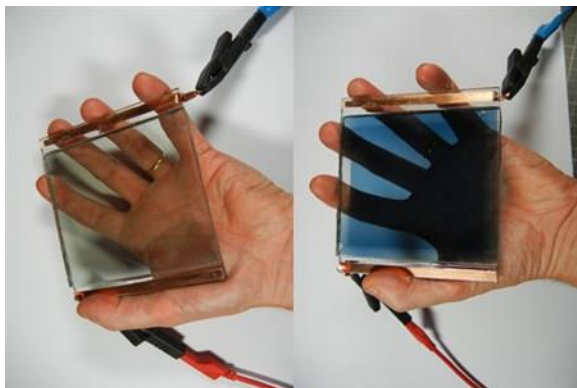


Feed ensiling agent

Short Chain Carboxylate Ionic Liquid Uses



'Quarts' cleanser substitutes



Device Ionogels



Protein recovery solvents
Enzyme purification solvents



Fuel cell, battery, and supercapacitor electrolytes

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C1-C6 Alkyl Esters Uses



Fragrance



Food flavor



Post-harvest pest control



Fumigants



Specialty solvents

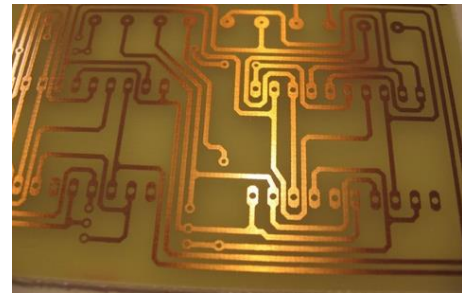
Aluminum formate



Water treatment



Copper formate



Printed Circuits

Lithium formate



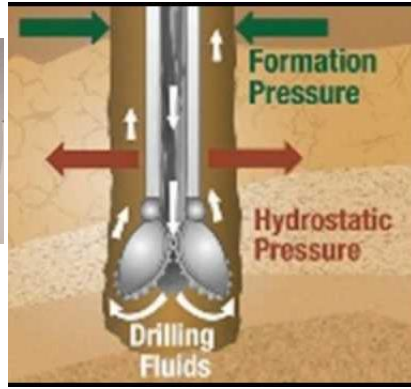
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Aluminum formate



YAG lasers

Cesium formate



Drilling fluids and muds



Robust radiotherapy material

Short Chain Metal Carboxylate Salts - Ceramics Precursors



Large band gap ZnO semiconductor

Red phosphor LiAlO₂ illuminator

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Lithium ion battery cathode

NaAl₂O₄ concrete hardening

High-strength MgAlO₂ bullet proof glass

FORMATE

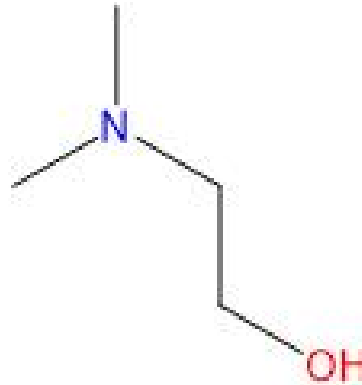
ACETATE
OXALATE
GLYCOLATE

PROPIONATE
LACTATE

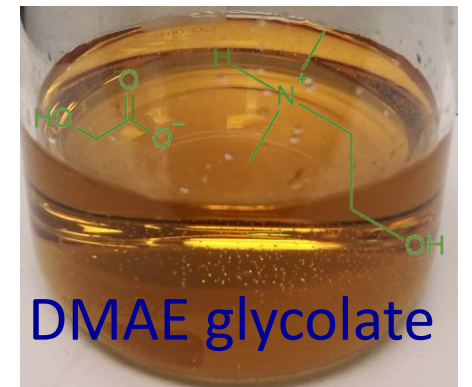
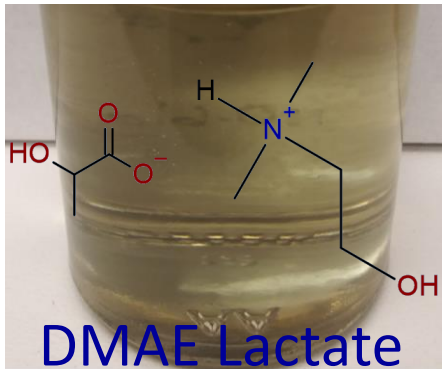
BUTYRATE
TARTRATE

VALERATE
LEVULINATE

ANISATE
BENZOATE
SALICYLATE



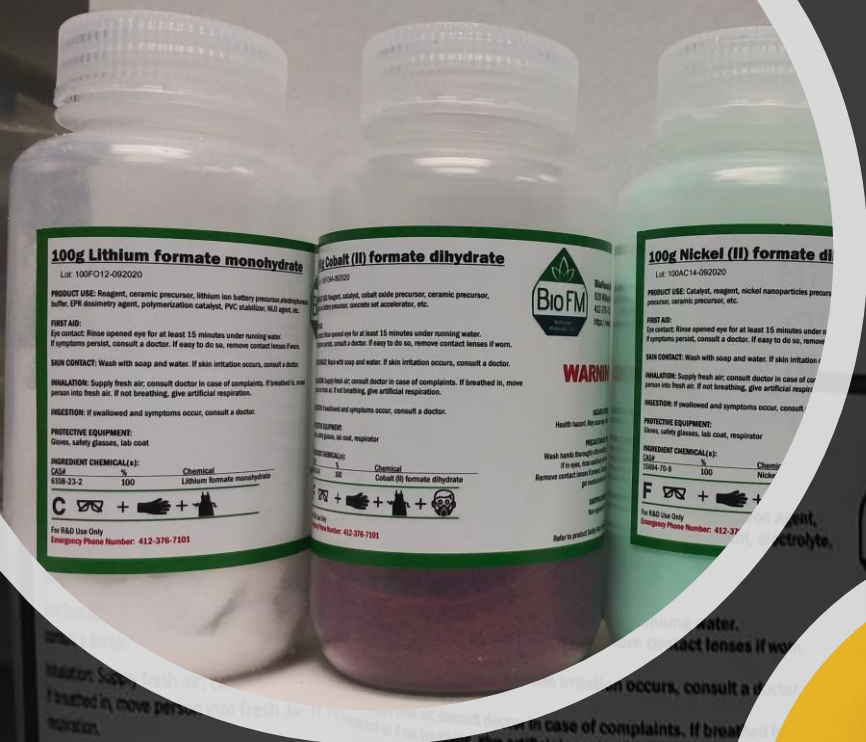
DMAE Cosmetic Salts





- BioFM Synatra Fragrance Oils

You can buy our products here:



<https://www.biofuranchem.com/product-category/esters-and-synatra-fragrance-oils/>

<https://www.biofuranchem.com/product-category/formate-and-acetate-salts/>

<https://www.biofuranchem.com/product-category/ionic-liquids/>

<https://www.biofuranchem.com/product-category/levulinate-and-other-salts/>

<https://www.biofuranchem.com/product-category/propionate-butyrate-and-valerate-salts/>

