



GFS Chemicals, Inc Fine and Specialty Organics



輸入元・日本総代理店 **ヒドラス化学株式会社**

〒101-0047 東京都千代田区内神田2-6-4 柴田ビル

TEL.03-3258-5031 FAX.03-3258-6535 info@hydrus.co.jp www.hydrus.co.jp

www.gfschemicals.com





GFS Chemicals, Inc.

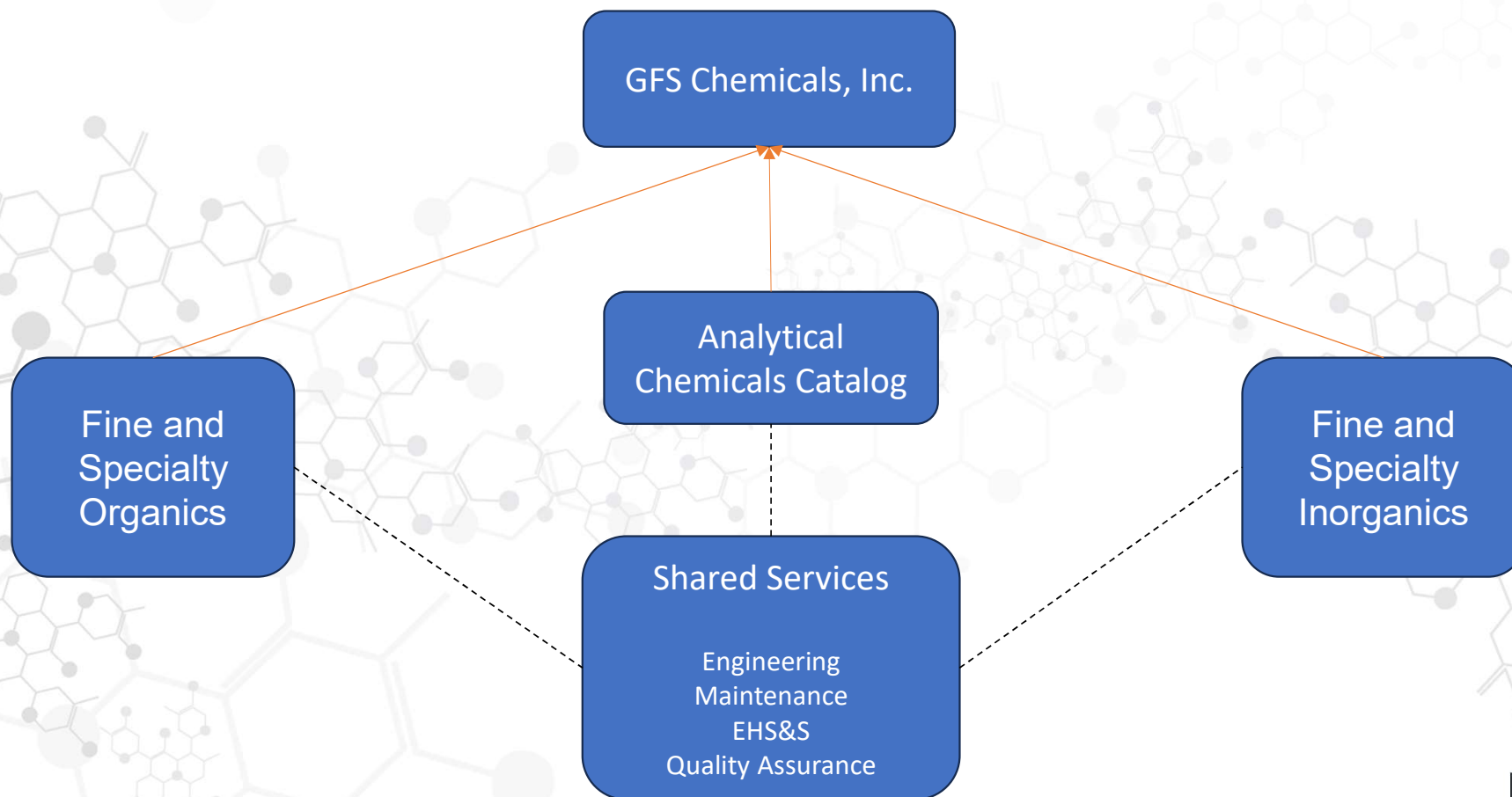
- ❖ Fine and Specialty Chemical Manufacturer
- ❖ Founded in 1928
- ❖ 3rd Generation Privately Held Company
- ❖ Located in Columbus, OH USA
- ❖ 100+ Employees



GFS ORGANIC
CHEMICALS®



Organizational Structure



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GFS ORGANIC
CHEMICALS®



GFS Chemicals, Inc. **Fine and Specialty Organics**

Core Technology, Operations, and Market Focus

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Core Organic Technology

Alkyne
Chemistry

TMS, THP,
BOC
Protection

Specialty
Olefins

Halogen
Chemistry
(Cl, Br, I)

Reactions
in Liquid
Ammonia

Active
Organo-
metallics
(Mg, Li, Na)

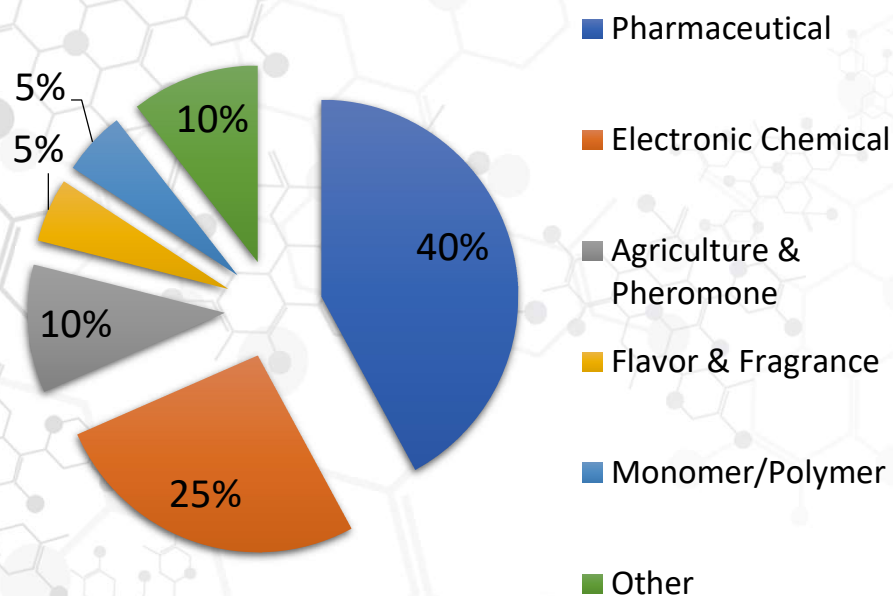


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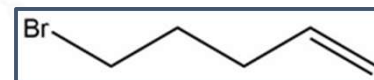
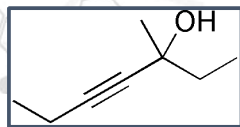
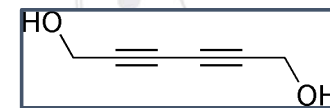
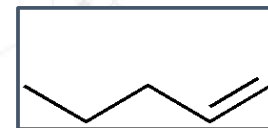
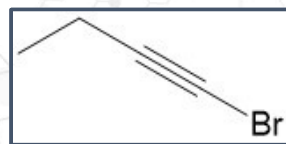
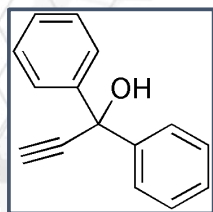
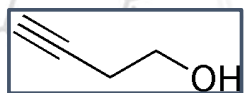
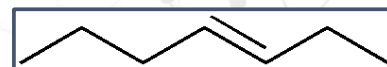
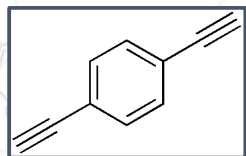
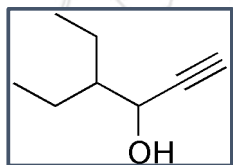
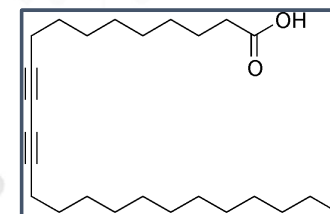
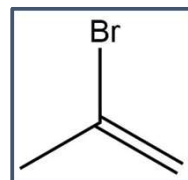
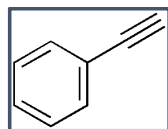
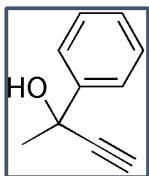


Market Focus

Organic Manufacturing Sales Distribution



- Diverse catalog of established products
- Custom specifications
- “Engineered to Order” and “Made to Order” products
- Wide range of synthetic methodologies
- Full support from concept to commercialization



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Commercial Grignard Reagents

For Applications in Synthesis

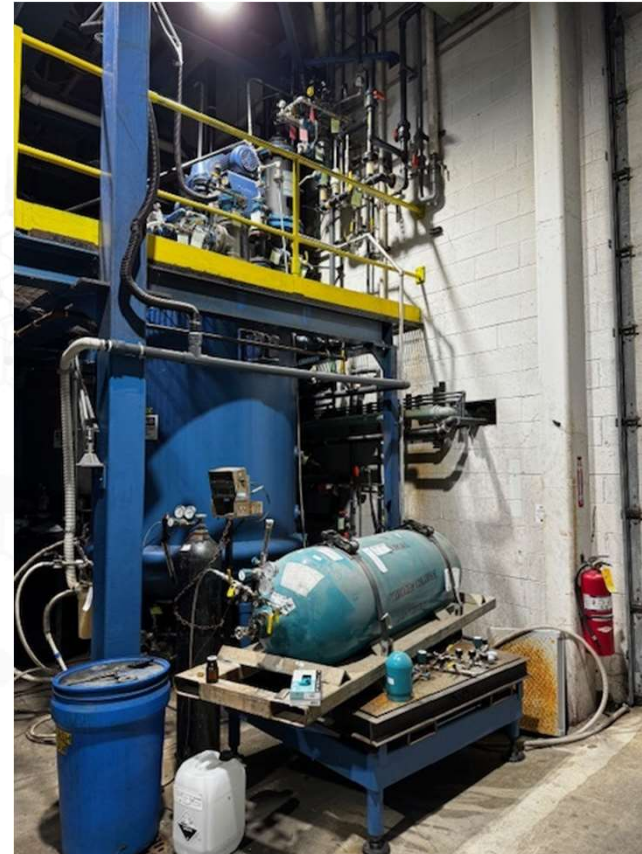
- Ethylmagnesium Bromide
- Isopropylmagnesium Chloride
- Isopropylmagnesium Bromide
- N-Butylmagnesium Chloride
- Isopropenylmagnesium Bromide
- Tetrahydrofuran
- Diethyl Ether
- Dibutyl Ether
- Methyl-THF

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Dissolved Gases

- Hydrogen Chloride
- Ammonia
- Methanol
- Ethanol
- Isopropanol
- Dioxane
- Dimethyl Formamide



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GFS Chemicals, Inc. **Fine and Specialty Organics**

Commitment to Safety

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Facility Infrastructure

- Water, foam and dry fire suppression systems
- Class 1 Div 1 Rating
- Blow-out containment by Fauske Engineering



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Facility Infrastructure

- Three scrubbers: caustic, acidic and bleach
- Complete waste segregation facility
- 250 kW Automatic backup power generator
- Four glycol chillers and two boilers for redundancy



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Administrative Infrastructure

- Sharepoint site for coordination of EHS&S activities
- Learning Management System (LMS)
- Change Management (MOC) Program

Change Management - Home						Change Council Member
Search	Status	Approver	Project Leader	Displayed MOCs		
<input type="text" value="Search for MOC Requests"/>	<input type="text"/>	<input type="text" value="Find items"/>	<input type="text" value="Find items"/>	<input type="text" value="Active"/>	<input type="checkbox"/> PSM MOC	<input type="checkbox"/> Temporary MOC
Change Request #	Title	Status	Requester	Department	Name	
2023-331	New Packaging Unit for Parent #554 KHP	In Progress	Robert Kramer	Engineering	Tim Irvin	
2023-330	B02 Automation Phase 2	In Progress	Theodore L. Elliott	Automation	Theodore L. Elliott	
2023-329	Update Size for SKU 16516	In Progress	Carla Melcher	Operations	Jared Ogden	
2023-328	Add nitrogen to handling guidelines 551	In Progress	Jay West	Training	Jared Ogden	
2023-325	New instrument Genesys 150 UV-Vis Documentation	In Progress	Kyle Swanberg			
2023-329	Update Size for SKU 16516	In Progress	Carla Melcher			
2023-328	Add nitrogen to handling guidelines 551	In Progress	Jay West			
2023-325	New instrument Genesys 150 UV-Vis Documentation	In Progress	Kyle Swanberg			
2023-324	New QC prep - 2152	In Progress	Troy Barker			
2023-323	Change BOM's for PPT Acid products to use the leached bottle part number	In Progress	Cole Hutchinson			

Proposed Changes
Add automation to B02R11, 12, and 13
Training Jared Ogden
Proposed Changes
Add automation to B02R11, 12, and 13

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Supporting Industries Worldwide

Responsible, Agile, Focused,
Safe

Bringing challenging and
unique chemistries to market

A full-service partner—from
concept to commercialization



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Thank You!

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