

INTRODUCED: June 24, 2019

AN ORDINANCE No. 2019-168

To approve the use of the property known as 738 Goodes Street for the storage of sulphurous, sulphuric, nitric, picric, hydrochloric, or other corrosive acid, in accordance with City Code § 30-454.1(2).

Patron – Mayor Stoney (By Request)

Approved as to form and legality
by the City Attorney

PUBLIC HEARING: JUL 22 2019 AT 6 P.M.

WHEREAS, section 30-454.1(2) of the Code of the City of Richmond (2015), as amended, requires City Council approval of certain uses in the M-2 Heavy Industrial District; and

WHEREAS, section 30-454.2 of the Code of the City of Richmond (2015), as amended, requires that the Chief Administrative Officer report in writing to the City Council on the effect that such use will have upon the safety, health, comfort, convenience and welfare of the inhabitants of the city and of persons in the locality in which such building is or premises are to be situated prior to City Council approval of such use; and

WHEREAS, the owner of the property known as 738 Goodes Street, which is situated in a M-2 Heavy Industrial District, has requested approval to use such property for the purpose of

AYES: 9 NOES: 0 ABSTAIN: _____

ADOPTED: JUL 22 2019 REJECTED: _____ STRICKEN: _____

storing sulphurous, sulphuric, nitric, picric, hydrochloric, or other corrosive acid, in accordance with section 30-454.1(2) of the Code of the City of Richmond (2015), as amended; and

WHEREAS, the Chief Administrative Officer has reported in writing to the City Council on the effect that such use will have upon the safety, health, comfort, convenience and welfare of the inhabitants of the City and of persons in the locality in which such building is or premises are to be situated, a copy of which report is attached to and made a part of this ordinance; and

WHEREAS, in reliance upon the aforesaid Chief Administrative Officer's report, the Council believes that it is appropriate to approve the proposed use of 738 Goodes Street for the storage of sulphurous, sulphuric, nitric, picric, hydrochloric, or other corrosive acid, in accordance with section 30-454.1(2) of the Code of the City of Richmond (2015), as amended, subject to the terms and conditions set forth in this ordinance;

NOW, THEREFORE,

THE CITY OF RICHMOND HEREBY ORDAINS:

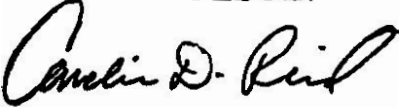
§ 1. That, in accordance with section 30-454.1(2) of the Code of the City of Richmond (2015), as amended, the Council hereby approves the use of the property known as 738 Goodes Street with Tax Parcel number S007-094/0034 as shown in the 2019 records of the City Assessor, for the storage of sulphurous, sulphuric, nitric, picric, hydrochloric, or other corrosive acid, in accordance with section 30-454.1(2)(d) and pursuant to the following terms and conditions:

(a) All applicable regulations of the Virginia Uniform Statewide Building Code shall be complied with fully.

(b) All applicable regulations of the Virginia Statewide Fire Prevention Code shall be complied with fully.

(c) All applicable regulations of chapter 30 of the Code of the City of Richmond (2015), as amended, shall be complied with fully.

§ 2. This ordinance shall be in force and effect upon adoption.

A TRUE COPY:
TESTE:

City Clerk

City of Richmond

900 East Broad Street
2nd Floor of City Hall
Richmond, VA 23219
www.richmondgov.com

Item Request

File Number: PRE.2019.207

RECEIVED

JUN 18 2019

OFFICE OF THE CITY ATTORNEY

O & R Request

Received

4-8821
JUN 18 2019

Office of the
Chief Administrative Officer

DATE: June 17, 2019

EDITION: 2

(update of May 14, 2019 O&R Request)

TO: The Honorable Members of City Council

THROUGH: The Honorable Levar M. Stoney, Mayor (Patron: Mayor, by Request)
(This is no way reflects a recommendation on behalf of the Mayor.)

Handwritten: 6/18/19

THROUGH: Selena Cuffee-Glenn, Chief Administrative Officer

Handwritten signature: SC

THROUGH: Sharon L. Ebert, Deputy Chief Administrative Officer for Economic and Community Development

Handwritten signature: [Signature]

FROM: Mark A. Olinger, Director, Department of Planning and Development Review

RE: To approve the use of the property known as 738 Goodes Street for storage of sulphurous, sulphuric, nitric, picric, hydrochloric or other corrosive acid, in accordance with section 30-454.1(2) of the Code of the City of Richmond (2015), as amended.

ORD. OR RES. No. _____

PURPOSE: To approve the use of the property known as 738 Goodes Street for storage of sulphurous, sulphuric, nitric, picric, hydrochloric or other corrosive acid, in accordance with section 30-454.1(2) of the Code of the City of Richmond (2015), as amended.

REASON: The applicant intends to store chemicals on the subject property, including corrosive acids. Such a use is permitted in the M-2 Heavy Industrial District with approval from City Council after City Council receives a report from the Chief Administrative Officer, in accordance with section 30-454.1(2) of the Code of the City of Richmond (2015), as amended. This document serves as the report required by section 30-454.1(2). It has been updated to include additional information regarding the applicant and agencies responsible for regulating the applicant.

RECOMMENDATION: Staff finds that, due to the standards in place to regulate the proposed use, and due to the location of the proposed use within an industrial area, the proposed use would not have an adverse effect on the safety, health, comfort, convenience or welfare of the inhabitants of the city and of persons in the area in which such use is to be situated.

Staff therefore recommends approval of the proposed use provided the following conditions are met:

1. All applicable building code regulations shall be met.
2. All applicable fire code regulations shall be met.
3. All applicable zoning code regulations shall be met.

The City Planning Commission will review this request and make a recommendation to City Council. This item will be scheduled for consideration by the Commission at its July 15, 2019, meeting.

BACKGROUND: The applicant is Brenntag Mid-South, Inc., a division of Brenntag North America, and is in the chemical warehouse and distribution business. The subject property is located at 738 Goodes Street, between Commerce Road to the west and railroad tracks and Interstate 95 to the east. It is comprised of 1.025 acres improved with a 29,000 SF warehouse building constructed, per tax assessment records, in 1972.

The proposed chemical inventory to be stored on the property will include acids, bases/caustics, peroxides, flammables, food grade materials, and various non-regulated material. All hazardous materials will be contained and isolated to specific areas of the warehouse and multiple spill kits with compatible absorbent material will be in place. The use will be compliant with all applicable building and fire code regulations. Building code regulations will determine approved quantities and specific requirements for the storage of the hazardous materials. Richmond Fire and Emergency Services will be responsible for ensuring the requirements are being met.

In addition to local code requirements, the facility will be regulated by the National Association of Chemical Distributors, ISO Certification requirements, the Occupational Safety and Health Administration, Food & Drug Administration, Department of Environmental Quality, Department of Homeland Security, and the Drug Enforcement Administration.

According to the applicant, the company currently has sales of \$20 million in the Richmond area and will be stocking in excess of \$1 million in inventory at the Goodes Street location. The applicant is initially planning on hiring four employees in Richmond. The applicant has already hired an operations manager and will be adding two drivers and an additional warehouse employee as soon as the facility is approved to operate. The applicant's plans are to add an additional four employees within three years. The applicant currently employs two sales representatives who cover this sales market area. The applicant plans on adding one additional sales representative and one sales trainee as needed as they plan on doubling sales numbers within five years.

The subject property is located in the Old South Planning District, within the core of the industrial area along Commerce Road.

The City's Master Plan recommends Industrial land uses for the subject property and all surrounding properties. "Primary uses include a wide variety of manufacturing, processing, research and development, warehousing, distribution, office warehouse and service uses. Office, retail and other uses that complement

industrial areas are often secondary support uses. The mix of industrial uses and character of such areas may vary depending on the location and available highway access. Typical zoning classifications that may accommodate this land use category: OS, M-1, and M-2.” (City of Richmond, 2001 Master Plan., p. 135).

Specifically for the Old South Planning District, the Master Plan states “most of what currently exists is correct and appropriate” (p. 274).

The subject property and all surrounding properties are zoned M-2 Heavy Industrial.

Industrial land uses predominate the vicinity of the subject property with some office uses being present as well. The subject property is located approximately 1,500-2,000’ from established residential areas and approximately 1,000’ from a parcel at the corner of Commerce Road and Ingram Avenue that was recent rezoned to accommodate residential development.

FISCAL IMPACT / COST: The Department of Planning and Development Review does not anticipate any impact to the City’s budget for this or future fiscal years.

FISCAL IMPLICATIONS: None.

BUDGET AMENDMENT NECESSARY: No.

REVENUE TO CITY: Tax revenue from the proposed warehouse use of the property.

DESIRED EFFECTIVE DATE: Upon Adoption.

REQUESTED INTRODUCTION DATE: June 24, 2019

CITY COUNCIL PUBLIC HEARING DATE: July 22, 2019

REQUESTED AGENDA: Consent.

RECOMMENDED COUNCIL COMMITTEE: None.

CONSIDERATION BY OTHER GOVERNMENTAL ENTITIES: City Planning Commission
July 15, 2019

AFFECTED AGENCIES: Office of Chief Administrative Officer
Law Department (for review of draft ordinance)

RELATIONSHIP TO EXISTING ORD. OR RES.: None.

REQUIRED CHANGES TO WORK PROGRAM(S): None.

ATTACHMENTS: Applicant’s Letter, Regulatory Agency List, ISO Certificate, NACD Letter, Brenntag Company Information, Hazardous Material Summary, Plans, Location Map, Vicinity & Land Use Map

STAFF: Jeff Gray, Senior Policy Advisor, Office of the Chief Administrative Officer 804-646-7968
Matthew J. Ebinger, AICP, Principal Planner, Land Use Administration 804-646-6304

April 12, 2019

Dear Sir:

This letter is in reference to our applications pertaining to an issuance of a Certificate of Occupancy for 738 Goodes Street, Richmond, VA 23224. Our company is Brenntag Mid-South, Inc., a division of Brenntag North America, and we have been in the chemical warehouse and distribution business for more than 60 years selling into industries such as waste treatment, food, personal care, paints and coatings, etc.

Our chemical inventory will include acids, bases/caustics, peroxides, flammables, food grade materials, and various non-regulated material. Given the nature of our business, the safety of our employees and the community is a major component of our operations. Although we do not anticipate any incidents, we always take the safer approach of having the means to contain and control any potential spills. We will have all hazardous materials contained and isolated to specific areas of the warehouse and will have multiple spill kits with compatible absorbent material in place.

We look forward to operating in the Richmond area providing valuable employment and being a responsible corporate citizen.

For future correspondence, please feel free to reach out to the main points of contact below:

Primary Contact:
Michael Johnson
Richmond Operations Manager
804-239-4790
mwjohnson@brenntag.com

Second Contact:
John East
Virginia Division Manager
540-586-6382
jeast@brenntag.com

BRENNTAG



• SAFETY FIRST STRATEGY

Continuous improvement of safety performance



Global strategy for health, safety and the environment

Personalization of safety

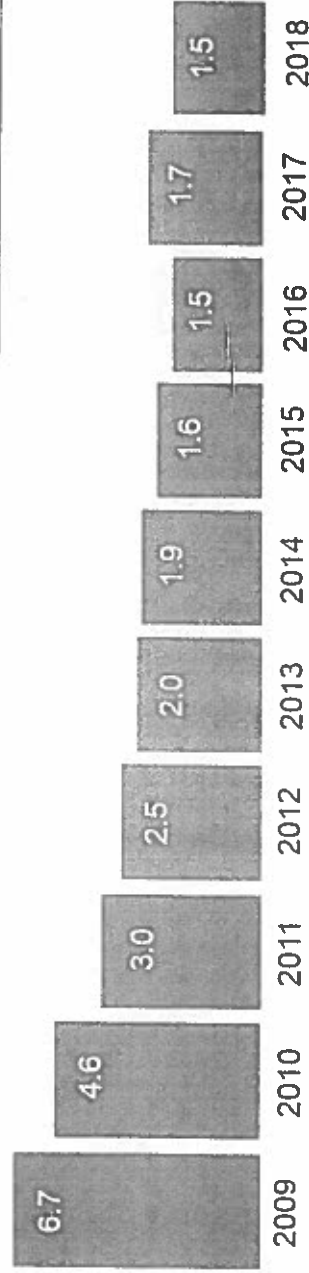
Tactical campaigns e.g.: Mis-loads

Safety culture and behavior

Management of contractors

Safety leadership training

Development LTIR* Brenntag Group



* Lost Time Injury Rate as number of accidents with 2 or more lost work days per 1 million worked hours

• OUR CORE VALUES

The foundation of our business

0114 001102



Safety First

Leadership & Accountability

Employee Involvement & Ownership



Commitment to Excellence

Integrity & Responsibility

Value Creation for Partners

ConnectingChemistry

It expresses our ultimate promise to connect our customers and suppliers in a winning partnership – globally and locally.



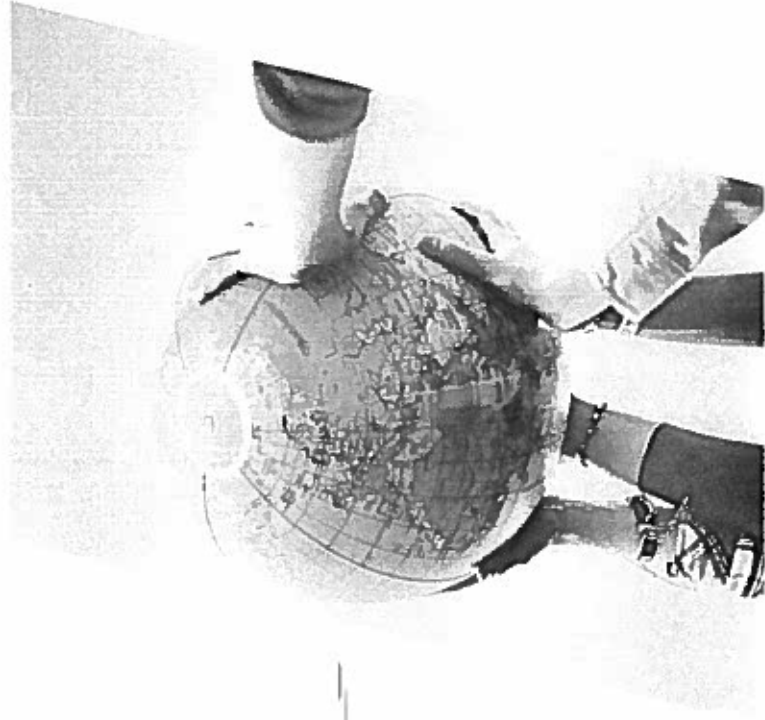
- **BRENTAG IN SHORT**

The global market leader in chemical distribution

Brenntag provides customers with business-to-business distribution solutions and value-added services

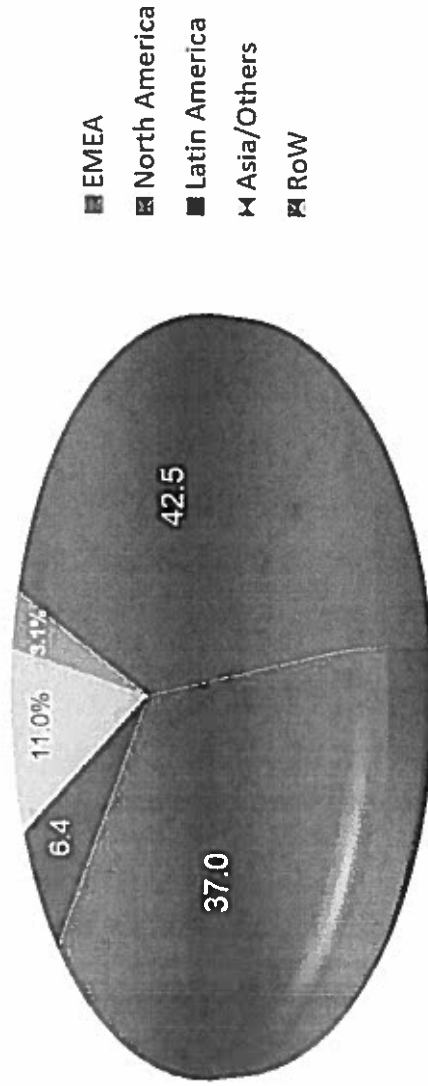
Brenntag effectively links chemical manufacturers and chemical users

Brenntag offers one-stop-shop solutions to customers globally



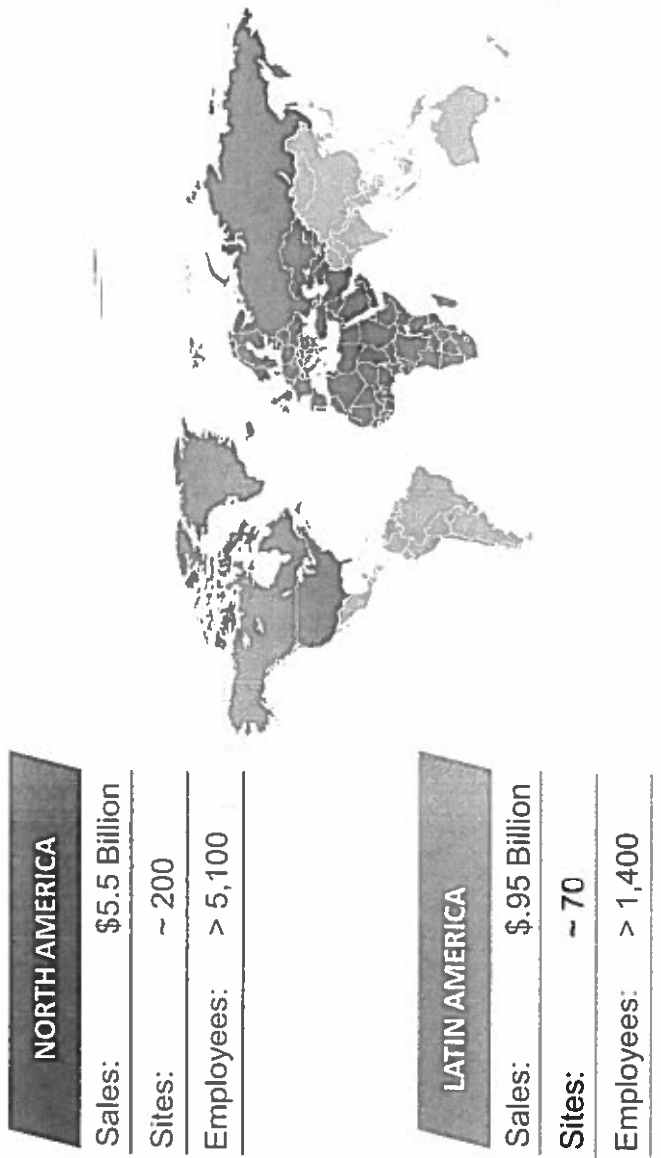
• GLOBAL MARKET LEADER IN CHEMICAL DISTRIBUTION

- Headquarters: Essen, Germany
- Operates a global network in 73 countries with +580 locations
- +195,000 Customers Worldwide
- +10,000 Products
- +16,600 Employees



\$14.8 Billion in Global Sales - 2018

- GLOBAL MARKET LEADER IN CHEMICAL DISTRIBUTION
Comprehensive Global Network 2018



ROW: \$.5 Billion

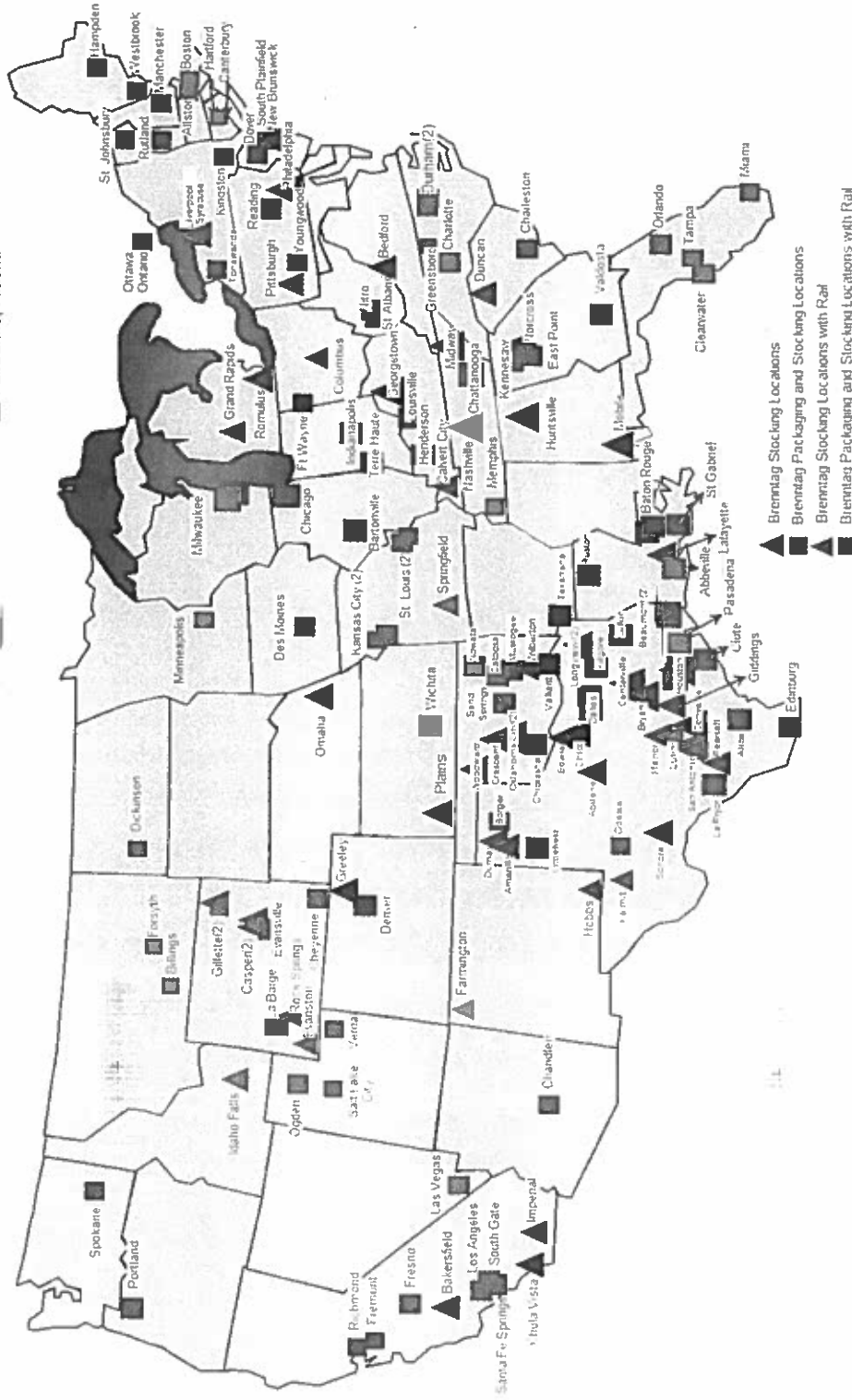
6/17/2019

• NORTH AMERICAN STATISTICS
2018:

	Statistics	Value to Customer
Annualized Sales	\$5.5 Billion	Financially stable - Extensive producer relationships thus providing security of supply
Stocking Locations	~200	JIT Capability, local Customer focus, back-up inventories, reduction of Customer inventory costs
Number of Employees	~5,100	380 trained sales professionals allows rapid access to help and support Customers
Number of Laboratories	37 Full Service	Quality dedication, developmental support and rapid technical response lower Customer's costs
Number of Customers	~40,000	Focus on details - Extensive experience with unique Customer needs
Orders per Day	~3,800	Highly efficient logistics system
SKU's	~30,000	Provide Customers with "one stop shopping" - Largest distribution offering of commercial and specialty products
Average Order Size	\$5,400 / ~10,000 Pounds	Focus on taking care of the using sites
Storage / Warehouse	~7 Million Sq. Ft. - Package ~84 Million Gallons - Liquid ~20,000 Cubic Ft. - Dry Bulk	<ul style="list-style-type: none"> - Provides Customers with supply assuredness - Multiple locations provide supply backup - Extensive packaging capability
Fleet	~ 1,200 Tractors ~1,750 Trailers/Tankers	<ul style="list-style-type: none"> - Ability to service Customers as needed - Reduce common carrier issues - JIT Capabilities

• US SITE LOCATIONS

- ▲ Anchorage, Alaska
- Fairbanks, Alaska



- ▲ Brenntag Stocking Locations
- Brenntag Packaging and Stocking Locations
- ▲ Brenntag Stocking Locations with Rail
- Brenntag Packaging and Stocking Locations with Rail

• **BRENNTAG NORTH AMERICA**

Coverage in North America

NORTH AMERICA

Approximately **165** distribution centers

Greater than **4,700** employees

1,400 sales and marketing experts

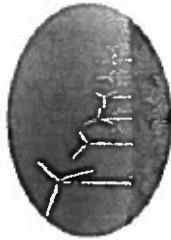
Approximately **34,000** customers in the region



• BRENNTAG SUSTAINABILITY PROGRAM

Driving Toward a Greener Tomorrow®

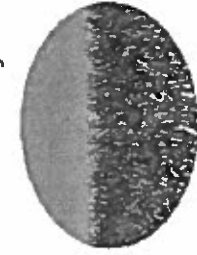
Energy & Waste
Reduction



Supply Chain
Efficiencies



Sustainable
Chemistry



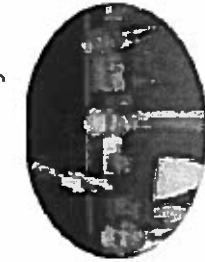
Innovation



Personnel
Development



Economic
Viability



Supplier & Customer
Relationships



Community

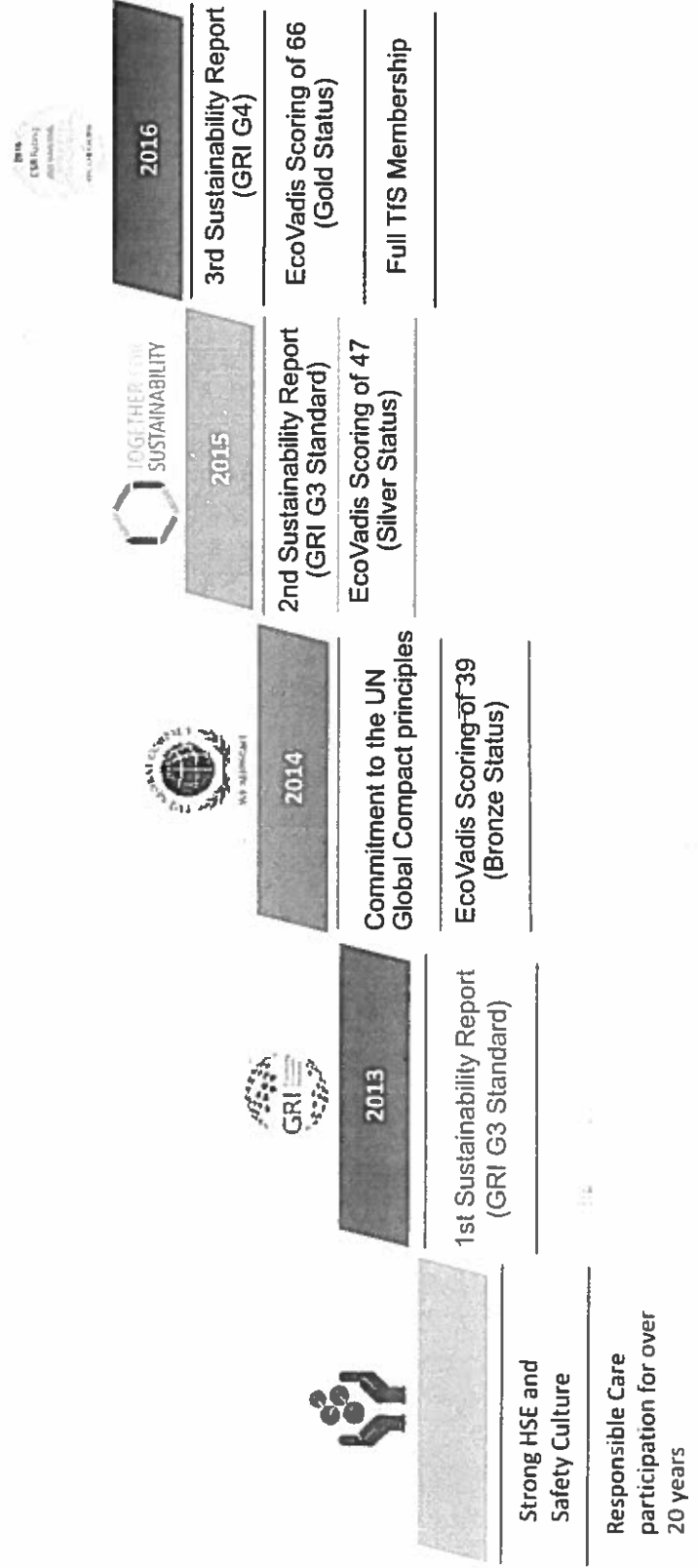


Health & Safety



• SUSTAINABILITY

Highlights of Brenntag's Sustainability Journey



• **SUSTAINABILITY**

Leading sustainability position through transparency

- Sustainability Report



Annual publication of a report in line with Global Reporting Initiative (GRI) standard

Achieved GRI B-Level, which is outstanding for the chemical distribution industry

- EcoVadis Assessment - Brenntag



Brenntag achieved EcoVadis Gold Status 2018

- EcoVadis Assessment - Suppliers

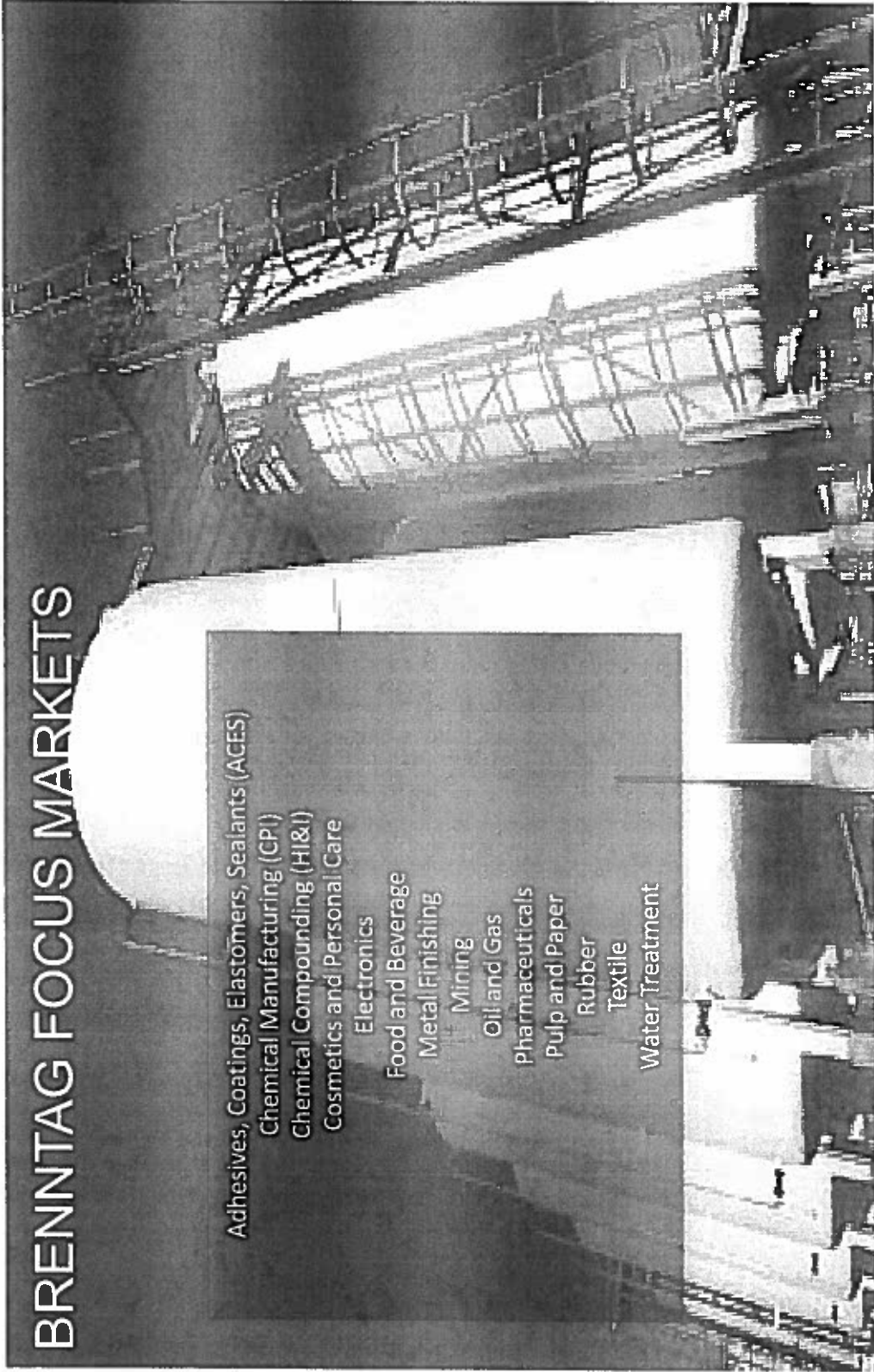


As a TFS member, Brenntag will initiate approximately 200 EcoVadis supplier assessments every year

Assessments are an integral part of an overall sustainable procurement program

BRENNTAG FOCUS MARKETS

Adhesives, Coatings, Elastomers, Sealants (ACES)
Chemical Manufacturing (CP)
Chemical Compounding (HI&I)
Cosmetics and Personal Care
Electronics
Food and Beverage
Metal Finishing
Mining
Oil and Gas
Pharmaceuticals
Pulp and Paper
Rubber
Textile
Water Treatment



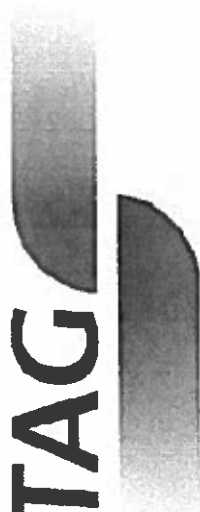
• VALUE ADDED SERVICES

- Analytical Laboratory Services
- Bar Coding
- Bulk Dry Packaging
- Bulk Liquids Packaging
- Bulk Terminal Services
- Centralized Order Entry
- Compressed Gas Packaging
- Consolidated Billing
- Custom Blending
- Custom Packaging
- EDI, ERS, EFT, E-Commerce
- Fleet & Logistics Expertise
- Formulation Assistance
- Global Supply Management
- Global Sourcing Network
- JIT Deliveries
- Kosher Packaging
- NSF Certification
- Key Accounts Program
- Product Specification Review
- Remote Tank Monitoring
- Systems
- Returnable Containers
- Supply Chain Management
- Third Party Procurement
- USP Packaging
- VMI

• WHY CHOOSE BRENNTAG?

- International Scope and Strength of the World's Leading Chemical Logistics Provider
- Experienced Key Accounts Team
- Multiple Supply Sources
- Brenntag Sales and Sourcing Team
- Global Capabilities/Local Focus
- Vendor Managed Inventory
- Electronic Commerce (Functional Site, User Friendly)
- Dedicated Customer Service and Sales Representatives
- Broad Based Product Line (Liquid or Dry, Organic or Inorganic, Commodity or Specialty)
- Company Owned and Operated Fleet
- The Brenntag Approach to Detail – TST, Job 7, and Customized Performance Tracking
- Quantitative Results Reporting – Established Cost Savings Programs
- Benchmarking Specialist dedicated to Brenntag Strategic Accounts

BRENNTAG





Major Agencies that Regulate our Business

National Association of Chemical Distributors – We are a founding member of this organization (see attached member in status statement). Our status is reviewed every three years, so our new certificate will be posted as soon as it is available.

ISO Certified – A quality program used as a base for our Quality Mission. All our Brenntag locations are ISO 9001-2015 certified for tolling, blending, packaging, distribution, warehousing, and delivery of chemicals. (Certification Attached)

Local Fire Department – Inspected for Hazardous storage and Tier II reporting to fire and emergency planning commission.

OSHA – Regular inspections to insure compliance with safety standards.

FDA – Inspections for compliance with all Food and Drug storage and cleanliness standards.

DEQ – Inspected to insure both RMP (Risk Management Program) and PSM (Process Safety Management) are in place and actively followed.

DHS – Homeland Security inspects our facilities to insure the level of security and access protection and training is appropriate for any (COI) chemical of interest stored at our facilities.

DEA – Inspects our products and customers to insure the proper sale and use of the products we sell to prevent them from being used in controlled substance production.

Brenntag Mid-South, Inc.
1155 Little Otter Drive
Bedford, VA 24523

July 27, 2017

To Whom It May Concern:

Please allow this letter to confirm the membership of Brenntag North America, Inc. in the National Association of Chemical Distributors (NACD) as of the date of this letter.

A Regular member since 1985, Brenntag North America, Inc. is in full compliance with all membership requirements, including passing NACD Responsible Distribution[®] third party verification with multiple sites from November 2013 through April 2016 and therefore is a member in good standing. Responsible Distribution is the Association's environmental, health, safety and security program. All 'Regular members' must comply with Responsible Distribution third-party on-site verification every three years.

The new three-year cycle began January 1, 2017. In each cycle, each member company is verified against a set protocol by a designated third-party firm. For multiple-site companies, the verifier visits a sampling of facilities that is representative of the member's overall operations. For more information on the Responsible Distribution verification program, please visit http://nacd.com/dist_process/.

At any time you may view the most current roster of all NACD members on our Web site under About and "Find a Responsible Distributor" or click on https://members.nacd.com/nacdssa/nacdcssacustlkup.distributor_search. The members listed on this roster are considered members in good standing with NACD. If you have any questions, please call me at 703/527-NACD (6223).

Sincerely,



Michael Lang
Vice President, Responsible Distribution

ABS Quality Evaluations

Certificate Of Conformance

This is to certify that the Quality Management System of:

Brenntag Mid-South, Inc.

**Headquarters
1405 Hwy. 136 West
Henderson, KY 42420
U.S.A.**

(WITH ADDITIONAL FACILITIES LISTED ON ATTACHED ANNEX)

has been assessed by ABS Quality Evaluations, Inc. and found to be in conformance with the requirements set forth by:

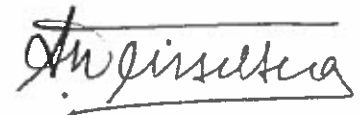
ISO 9001:2015

The Quality Management System is applicable to:

TOLLING, BLENDING, PACKAGING, DISTRIBUTION, WAREHOUSING, AND DELIVERY OF CHEMICALS.

This certificate may be found on the ABS QE Website (www.abs-qe.com). For certificates issued in the People's Republic of China information may also be verified on the CNCA website (www.cnca.gov.cn).

Certificate No:	30523
Certification Date:	08 December 1993
Effective Date:	26 October 2017
Expiration Date:	08 November 2020
Issue Date:	26 October 2017



Alex Weisselberg, President



Validity of this certificate is based on the successful completion of the periodic surveillance audits of the management system defined by the above scope and is contingent upon prompt, written notification to ABS Quality Evaluations, Inc. of significant changes to the management system or components thereof.

ABS Quality Evaluations, Inc. 16855 Northchase Drive, Houston, TX 77060, U.S.A.

Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

ISO 9001:2015

Certificate Of Conformance

ANNEX

Certificate No: 30523

Brenntag Mid-South, Inc.

At Below Facilities:

Facility: Packaging Plant
1405 Hwy. 136 West
Henderson, KY 42420
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Distribution Center
4616 South Enterprise Drive
Bartonville, IL 61607
U.S.A.

Activity: Distribution, Warehousing and Delivery

Facility: Bedford
3687 Forest Road
Bedford, VA 24523
U.S.A.

Activity: Warehouse and Distribution

Facility: Packaging Plant
1575 Sunshine Drive
Clearwater, FL 3758
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Packaging Plant
317 Wauhatchie Pike
Chattanooga, TN 37419
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Charlotte
11750 Fruehauf Drive
Charlotte, NC 28273
U.S.A.

Activity: Tolling, blending, packaging, distribution, warehousing and delivery of chemicals



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

ISO 9001:2015

Certificate Of Conformance

ANNEX

Certificate No: 30523

Brenntag Mid-South, Inc.

At Below Facilities:

Facility: Distribution Center
134 Reliance Drive
Hebron, OH 43025
U.S.A.

Activity: Distribution, Warehousing and Delivery

Facility: Distribution Center
2627 121 N.W.
Decatur, IL 62526-9454
U.S.A.

Activity: Distribution, Warehousing and Delivery

Facility: Durham
2000 East Pettigrew Street
Durham, NC 27703
U.S.A.

Activity: Tolling, blending, packaging, distribution, warehousing, and delivery of chemicals.

Facility: Packaging Plant
2225 Lawrence Avenue
East Point, GA 30344
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Greensboro
2 HCl Boulevard
Greensboro, NC 27409
U.S.A.

Activity: Tolling, blending, packaging, distribution, warehousing and delivery of chemicals.

Facility: Distribution Center
395 Swancott Road
Madison, AL 35758
U.S.A.

Activity: Distribution, Warehousing and Delivery



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

ISO 9001:2015

Certificate Of Conformance

ANNEX

Certificate No: 30523

Brenntag Mid-South, Inc.

At Below Facilities:

Facility: Packaging Plant
3111 North Post Road
Indianapolis, IN 46266
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Packaging Plant
5200 Stillwell Avenue
Kansas City, MO 64120
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Packaging Plant
6301 NE Birmingham Road
Kansas City, MO 64117
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Packaging Plant
3200 Moon Station Road
Kennesaw, GA 30144
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Packaging Plant
324 East Yusen Drive
Georgetown, KY 40324
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Packaging Plant
3900 Tucker Avenue
Louisville, KY 40216
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

ISO 9001:2015

Certificate Of Conformance

ANNEX

Certificate No: 30523

Brenntag Mid-South, Inc.

At Below Facilities:

Facility: Distribution Center
8700NW 36th Avenue
Miami, FL 33147
U.S.A.

Activity: Distribution, Warehousing and Delivery

Facility: Packaging Plant
2701 Channel Avenue
Memphis, TN 38113
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Packaging Plant
Plant Road PO Box 309
Nitro, WV 25143
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: North Charleston
4200 Azelea Drive
North Charleston, SC 29405
U.S.A.

Activity: Tolling, blending, packaging, distribution, warehousing and delivery of chemicals

Facility: Packaging Plant
250 Central Florida Parkway
Orlando, FL 32824
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Distribution Center
4510 Gilbertsville Road
Calvert City, KY 42029-1309
U.S.A.

Activity: Distribution, Warehousing and Delivery



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

ISO 9001:2015

Certificate Of Conformance

ANNEX

Certificate No: 30523

Brenntag Mid-South, Inc.

At Below Facilities:

Facility: Distribution Center
2235 West Battlefield Road
Springfield, MO 65807
U.S.A.

Activity: Distribution, Warehousing and Delivery

Facility: Packaging Plant
319 First Street North
St. Albans, WV 25177
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Packaging Plant
126 Chouteau Avenue
St. Louis, MO 63102-2490
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Packaging Plant
139 East Soper Street
St. Louis, MO 63111
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Packaging Plant
1400 Lockport Road
Terre Haute, IN 47802
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery

Facility: Packaging Plant
3520 Alamo Drive
Tampa, FL 33605
U.S.A.

Activity: Tolling, Blending, Packaging, Distribution, Warehousing and Delivery



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

ABS Quality Evaluations

ISO 9001:2015

Certificate Of Conformance

ANNEX

Certificate No: 30523

Brenntag Mid-South, Inc.

At Below Facilities:

Facility: Distribution Center
1622 James P. Rodgers Drive
Valdosta, GA 31601
U.S.A.

Activity: Distribution, Warehousing and Delivery

Facility: Distribution Center
355 Pottertown Road
Midway, TN 37809
U.S.A.

Activity: Distribution, Warehousing and Delivery

Facility: Duncan
173 Fortis Drive
Duncan, SC 29334
U.S.A.

Activity: Warehouse and Distribution

Facility: Distribution Center - Nashville, TN
7145 Centennial Boulevard
Nashville, TN 37209
U.S.A.

Activity: Warehouse and distribution



Validity of this certificate may be confirmed at www.abs-qe.com/cert_validation.

BRENTAG

STORAGE WAREHOUSE

738 GOODES STREET
RICHMOND, VIRGINIA 23224

OWNER / CLIENT:

BRENTAG
738 GOODES STREET
RICHMOND, VA 23224
PHONE: (804) 239-4780
CONTACT: MICHAEL JOHNSON

ARCHITECT:

BASKERVILL
101 S. 15TH ST., SUITE 200 (23218)
P.O. BOX 400
RICHMOND, VA 23218-0400
PHONE: (804) 343-1010
FAX: (804) 343-0808
CONTACT: D. RAY TREVILLIAN

PROJECT:
2190225
STORAGE
WAREHOUSE

738 Goodes St
Richmond, VA

BRENTAG

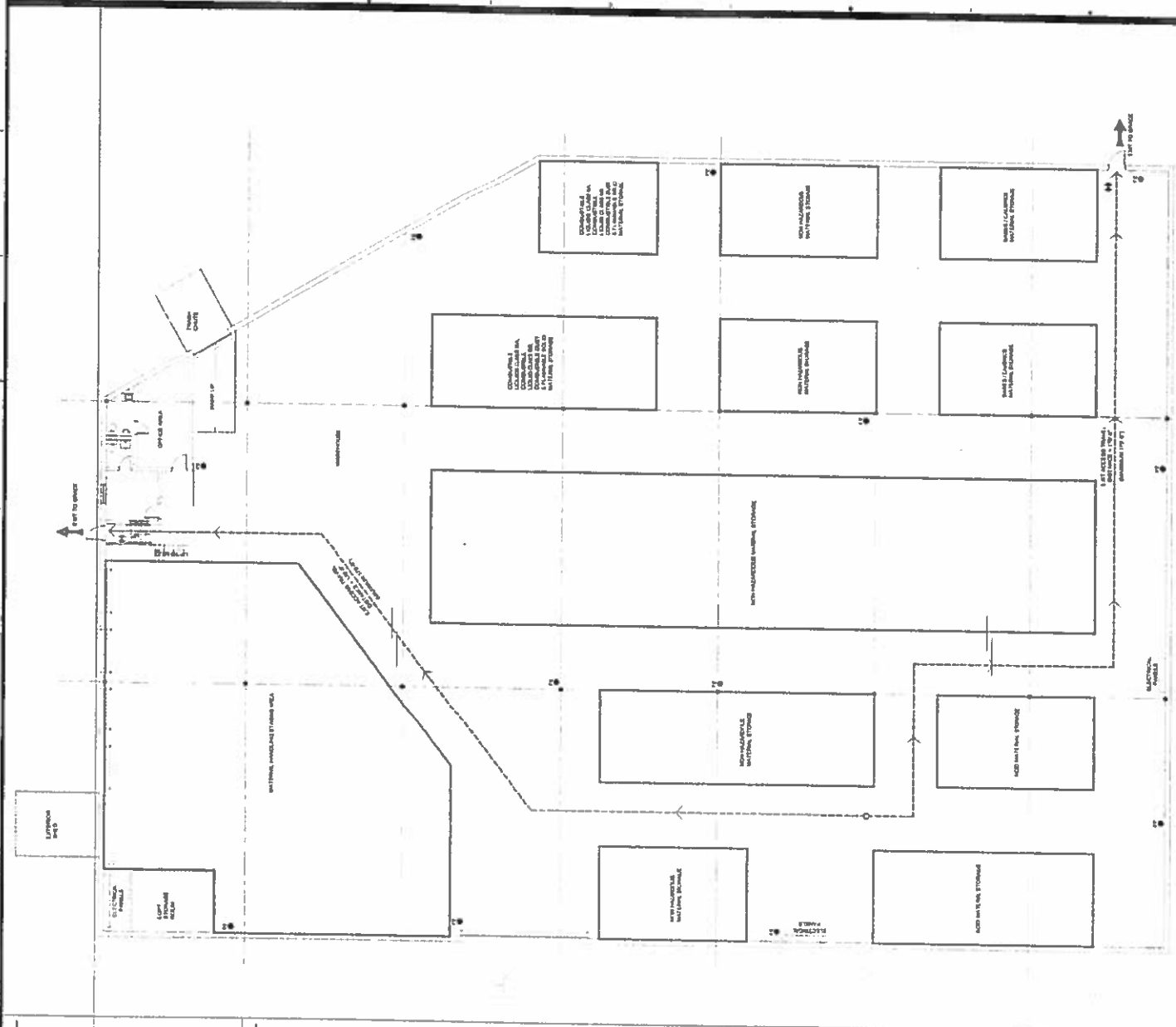


DATE: 04/18/18

TITLE SHEET

DRAWING INDEX

NO.	DESCRIPTION	DATE	BY
1	GENERAL NOTES		
2	FOUNDATION		
3	STRUCTURAL FLOOR		
4	STRUCTURAL ROOF		
5	MECHANICAL		
6	ELECTRICAL		
7	PLUMBING		
8	MECHANICAL		
9	ELECTRICAL		
10	PLUMBING		
11	MECHANICAL		
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45	ELECTRICAL		
46	PLUMBING		
47	MECHANICAL		
48	ELECTRICAL		
49	PLUMBING		
50	MECHANICAL		



4A EXISTING FLOOR PLAN
 SCALE: 1/8"=1'-0"

LEGEND - LIFE SAFETY
 WALLS, ELEVATING PLATFORMS
 EXIT DOOR
 EXIT DOOR WITH SCHEDULE 40
 EXIT DOOR WITH SCHEDULE 40 AND GLASS

TRAINING LIMITATIONS
 6" FLOOR TO CEILING CLEARANCE
 6" FLOOR TO CEILING CLEARANCE
 6" FLOOR TO CEILING CLEARANCE

FIRE PROTECTION DEVICES
 FIRE ALARM
 FIRE ALARM
 FIRE ALARM

CODE DATA
 OWNER: BRENTYAG
 PROJECT: STORAGE WAREHOUSE
 ADDRESS: 738 GOODIES BL., RICHMOND, VA 23234
 CITY: RICHMOND, VA
 COUNTY: RICHMOND, VA
 PROJECT NO.: 2190225
 DATE: 04/18/19

PERMITS AND REGULATIONS
 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE (IBC) AND THE 2015 INTERNATIONAL PLUMBING AND MECHANICAL CODE (IMC).
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL FIRE CODE (IFC).
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL ENERGY CODE (IEC).
 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL SCHEDULE 40 CODE (IS40C).
 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL SCHEDULE 40 AND GLASS CODE (IS40AG).

NOTES
 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE (IBC) AND THE 2015 INTERNATIONAL PLUMBING AND MECHANICAL CODE (IMC).
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL FIRE CODE (IFC).
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL ENERGY CODE (IEC).
 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL SCHEDULE 40 CODE (IS40C).
 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL SCHEDULE 40 AND GLASS CODE (IS40AG).

LOCATION PLAN
 The location plan shows the site of the storage warehouse at 738 Goodies Bl., Richmond, VA. The site is bounded by Goodies Bl. to the north, [unclear] to the south, [unclear] to the east, and [unclear] to the west. The site is shown in relation to the surrounding streets and landmarks.



Product Name	Chemical State	Container Size	Max Quantity (gallons)	Flash Point	Boiling Point	ph Level	Auto-Ignition	Limit Controls	Hazard Classification 1	Hazard Classification 2	Incompatible Materials	Extinguishing Media	Use Group Designation	SDS Report
CLASS II COMBUSTIBLE LIQUIDS [Flash Point at or above 100° F (38° C) and below 140° F (60° C)]	Chemical State	Container Size	Max Quantity (gallons)	Flash Point	Boiling Point	ph Level	Auto-Ignition	Limit Controls	Hazard Classification 1	Hazard Classification 2	Incompatible Materials	Extinguishing Media	Use Group Designation	SDS Report
Acetic Acid	Liquid	55 Gallon Drum / 330 Gallon Tote	220	n/a	230.1° F (110.1° C)	n/a	n/a	Dry / Cool	Class II Combustible Liquid	Corrosive	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	Outside Material Storage	YES
Formic Acid 90%	Liquid	55 Gallon Drum	110	122° F (50° C)	213.3° F (100.7° C)	n/a	908.5° F (486.9° C)	Dry / Cool	Class II Combustible Liquid	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	Outside Material Storage	YES
Mineral Spirits	Liquid	55 Gallon Drum / 330 Gallon Tote	220	130° F (54.4° C)	n/a	n/a	n/a	Dry / Cool	Class II Combustible Liquid	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	Outside Material Storage	YES
Nonaeryl Acrylic Acid (Iracal)	Liquid	55 Gallon Drum	220	118° F (48° C)	286.3° F (141.3° C)	n/a	804° F (429° C)	Dry / Cool	Class II Combustible Liquid	n/a	Bases, metals, oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	Outside Material Storage	YES
TOTAL:		TOTAL:	770											
CLASS IIIA COMBUSTIBLE LIQUIDS [Flash Point at or above 140° F (60° C) and below 200° F (93° C)]	Chemical State	Container Size	Max Quantity (gallons)	Flash Point	Boiling Point	ph Level	Auto-Ignition	Limit Controls	Hazard Classification 1	Hazard Classification 2	Incompatible Materials	Extinguishing Media	Use Group Designation	SDS Report
Glycol Ether DPM	Liquid	55 Gallon Drum	55	167° F (75° C)	374° F (190° C)	n/a	n/a	Dry / Cool	Class IIIA Combustible Liquid	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Glycol Ether EB	Liquid	55 Gallon Drum	220	153° F (67.2° C)	335.1° F (168.4° C)	n/a	460.4° F (238° C)	Dry / Cool	Class IIIA Combustible Liquid	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
TOTAL:		TOTAL:	275											
CLASS IIIB COMBUSTIBLE LIQUIDS [Flash Point at or above 200° F (93° C)]	Chemical State	Container Size	Max Quantity (gallons)	Flash Point	Boiling Point	ph Level	Auto-Ignition	Limit Controls	Hazard Classification 1	Hazard Classification 2	Incompatible Materials	Extinguishing Media	Use Group Designation	SDS Report
AK 350	Liquid	55 Gallon Drum	55	534° F (279° C)	n/a	n/a	n/a	Dry / Cool	Class IIIB Combustible Liquid	n/a	n/a	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
AK1000	Liquid	55 Gallon Drum	55	534° F (279° C)	n/a	n/a	n/a	Dry / Cool	Class IIIB Combustible Liquid	n/a	n/a	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
AK 5000	Liquid	55 Gallon Drum	55	534° F (279° C)	n/a	n/a	n/a	Dry / Cool	Class IIIB Combustible Liquid	n/a	n/a	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
AK 100	Liquid	55 Gallon Drum	55	527° F (275° C)	n/a	7.0	743° F (395° C)	Dry / Cool	Class IIIB Combustible Liquid	n/a	n/a	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Brennac DF-20	Liquid	55 Gallon Drum / 330 gallon tote	660	212° F (100° C)	212° F (100° C)	7.0	n/a	50-90° F (10-32° C)	Class IIIB Combustible Liquid	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Ethylene Glycol	Liquid	55 Gallon Drum / 330 Gallon Tote	220	232° F (111.1° C)	387.6° F (197.5° C)	9.0	735.7° F (390.9° C)	Dry / Cool	Class IIIB Combustible Liquid	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES

Product Name	Chemical State	Container Size	Max Quantity	Flash Point	Boiling Point	ph Level	Auto-Ignition	Limit--Controls	Hazard Classification 1	Hazard Classification 2	Incompatible Materials	Extinguishing Media	Use Group Designation	SDS Report
Miralaine ASC	Liquid	55 Gallon Drum	55	200° F (93° C)	212° F (100° C)	8.5	n/a	39-120° F (4-49° C)	Class IIIB Combustible Liquid	n/a	Acids, bases, oxidizing and reducing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Brennifloc CP2650	Liquid	55 Gallon Drum/ 330 gallon tote	660	212° F (100° C)	212° F (100° C)	n/a	n/a	Dry / Cool	Class IIIB Combustible Liquid	Toxic (LC50 5.28 mg/l)	Acids, bases, oxidizers and metals	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Brennifloc CP9806	Liquid	55 Gallon Drum/ 330 gallon tote	1650	212° F (100° C)	212° F (100° C)	n/a	n/a	Dry / Cool	Class IIIB Combustible Liquid	Toxic (LC50 2.9 mg/l)	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Trisopropanolamine 99	Liquid	55 Gallon Drum	55	345° F (174° C)	574° F (301° C)	10.3	545° F (285° C)	Dry / Cool	Class IIIB Combustible Liquid	n/a	Acids, oxidizers, metals and nitrates	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
CLASS 2 OXIDIZER	Chemical State	Container Size	Max Quantity (gallons)	Flash Point	Boiling Point	ph Level	Auto-Ignition	Limit Controls	Hazard Classification 1	Hazard Classification 2	Incompatible Materials	Extinguishing Media	Use Group Designation	SDS Report
Hydrogen Peroxide 32%	Liquid	55 Gallon Drum / 330 Gallon Tote	1980	n/a	241.9° F (116.6° C)	n/a	n/a	Dry / Cool	Class 2 Oxidizer	n/a	Combustibles and reducing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	Outside Material Storage	YES
CORROSIVE ACIDS	Chemical State	Container Size	Max Quantity (gallons)	Flash Point	Boiling Point	ph Level	Auto-Ignition	Limit Controls	Hazard Classification 1	Hazard Classification 2	Incompatible Materials	Extinguishing Media	Use Group Designation	SDS Report
Hydrochloric Acid 20 BE	Liquid	55 Gallon Drum / 275 Gallon Totes	990	n/a	107.1° F (41.7° C)	1.0	n/a	Dry / Cool	Corrosive Acid	n/a	Amines	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Nitric Acid 67%	Liquid	55 Gallon Drum / 330 Gallon Tote	660	n/a	196.4° F (91.3° C)	n/a	n/a	Dry / Cool	Corrosive Acid	n/a	Alcohols	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Phosphoric Acid 75% FG Kosher	Liquid	55 Gallon Drum / 330 Gallon Tote	990	n/a	364.5° F (184.7° C)	n/a	n/a	Dry / Cool	Corrosive Acid	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Phosphoric Acid 85%	Liquid	55 Gallon Drum / 330 Gallon Tote	55	n/a	384.9° F (196.1° C)	n/a	n/a	Dry / Cool	Corrosive Acid	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Sulfuric Acid 93%	Liquid	55 Gallon Drum	220	n/a	348.8° F (176° C)	n/a	n/a	Dry / Cool	Corrosive Acid	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
CORROSIVE BASES	Chemical State	Container Size	Max Quantity (lbs / gallons)	Flash Point	Boiling Point	ph Level	Auto-Ignition	Limit Controls	Hazard Classification 1	Hazard Classification 2	Incompatible Materials	Extinguishing Media	Use Group Designation	SDS Report
Caustic Soda Brnads	Solid	50# BAG	400	n/a	2534° F (1390° C)	12.0	n/a	Dry / Cool	Corrosive Base	n/a	Acids and metals	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Melso Pentabead 20 Sodium	Solid	50# Bag	1000	n/a	n/a	14.0	n/a	Dry / Cool	Corrosive Base	n/a	Acids and metals	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Sodium Hypochlorite 12.5%	Liquid	55 Gallon Drum / 330 Gallon Tote	1760	n/a	230.5° F (110.3° C)	13.5	n/a	Dry / Cool	Corrosive Base	n/a	Acids and oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES

Product Name	Chemical State	Container Size	Max Quantity	Flash Point	Boiling Point	pH Level	Auto-Ignition	Limit Controls	Hazard Classification 1	Hazard Classification 2	Incompatible Materials	Extinguishing Media	Use Group Designation	SDS Report
Ammonium Hydroxide 26	Liquid	55 Gallon Drum / 330 Gallon Tote	2400	n/a	212° F (100° C)	n/a	n/a	Dry / Cool	Corrosive Base	Toxic (LD50 350 mg/kg)	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Sodium Hydroxide 50% MEM NSF	Liquid	55 Gallon Drum	440	n/a	1371° F (744° C)	n/a	n/a	Dry / Cool	Corrosive Base	n/a	Acids	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
FLAMMABLE SOLIDS		TOTAL:	1,400 lbs / 4,655 gallons											
White Fenciline Petrolatum	Semi-Solid	55 Gallon Drum	220	200° F (93° C)	446° F (230° C)	n/a	n/a	< 104° F (40° C)	Flammable Solid	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
NON-HAZARDOUS		TOTAL:	220											
Aquamag FM	Liquid	55 Gallon Drum	3450	n/a	212° F (100° C)	n/a	n/a	Dry / Cool	n/a	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Aquapure 3637 NSF	Liquid	55 Gallon Drum	110	n/a	212° F (100° C)	n/a	n/a	Dry / Cool	n/a	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Calcium Chloride 77% FLK	Solid	55 Gallon Drum	2000	n/a	350° F (175° C)	n/a	n/a	Dry / Cool	n/a	n/a	n/a	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Celatom FW-40	Solid	25# Bag	1000	n/a	n/a	10.0	n/a	Dry / Cool	n/a	n/a	Acids and metals	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Citric Acid 50%	Liquid	55 Gallon Drum / 330 Gallon Tote	330	n/a	n/a	n/a	n/a	Dry / Cool	n/a	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Disodium Phosphate Anhydrous	Solid	50# BAG	2000	n/a	n/a	9.0	n/a	Dry / Cool	n/a	n/a	Acids	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Fuopray SSF	Solid	50# BAG	2000	n/a	n/a	n/a	n/a	Dry / Cool	n/a	n/a	n/a	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Hydrated Lime	Solid	50# Bag	2200	n/a	n/a	12.4	n/a	Dry / Cool	n/a	n/a	Acids and metals	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Lectihin	Liquid	55 Gallon Drum	220	n/a	n/a	n/a	n/a	Dry / Cool	n/a	n/a	n/a	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Magnesium Nitrate 6 Hydrate	Solid	50# Bag	400	n/a	n/a	n/a	n/a	Dry / Cool	n/a	n/a	Reducing Agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Potassium Citrate USP-FCC	Solid	50# BAG	50	n/a	n/a	8.0	n/a	Dry / Cool	n/a	n/a	n/a	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES

Product Name	Chemical State	Container Size	Max Quantity	Flash Point	Bolling Point	ph Level	Auto-Ignition	Limit Controls	Hazard Classification 1	Hazard Classification 2	Incompatible Materials	Extinguishing Media	Use Group Designation	SDS Report
Salt Flour	Solid	50# Bag	2000	n/a	n/a	8.0	n/a	Dry / Cool	n/a	n/a	Acids and oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Soda Ash Dense	Solid	50# Bag	30000	n/a	n/a	11.4	n/a	Dry / Cool	n/a	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Soda Ash	Solid	50# Bag	40000	n/a	n/a	11.4	n/a	Dry / Cool	n/a	n/a	Aluminum and Acids	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Soda Ash Light Grade 100	Solid	50# Bag	4000	n/a	n/a	11.4	n/a	Dry / Cool	n/a	n/a	Aluminum and Acids	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Sodium Silicate WW STAR	Liquid	55 Gallon Drum	55	n/a	212° F (100° C)	n/a	n/a	Dry / Cool	n/a	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Sodium Sulfate	Solid	50# Bag	500	n/a	n/a	8.0	n/a	Dry / Cool	n/a	n/a	n/a	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Tetrapotassium Pyrophosphate 60%	Liquid	55 Gallon Drum	110	n/a	n/a	10.3	n/a	Dry / Cool	n/a	n/a	Acids and metals	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
Versene 100 Chelating Agent	Liquid	55 Gallon Drum / 330 Gallon Tote	825	n/a	272.5° F (133.6° C)	n/a	n/a	Dry / Cool	n/a	n/a	Acids	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage)	YES
COMBUSTIBLE DUSTS	Chemical State	Container Size	Max Quantity (pounds)	Flash Point	Bolling Point	ph Level	Auto-Ignition	Limit Controls	Hazard Classification 1	Hazard Classification 2	Incompatible Materials	Extinguishing Media	Use Group Designation	SDS Report
Citric Acid Anhydrous	Solid	50# Bag	2000	n/a	n/a	1.8	n/a	< 75° F (24° C)	Combustible Dust	Corrosive Acid	Oxidizing agents and bases	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage - The material is classified as non-hazardous while it is inert / stored)	YES
Watercarb	Solid	50# Bag	4000	n/a	n/a	8.5	n/a	Dry / Cool	Combustible Dust	n/a	Oxidizing agents	Water spray, Alcohol-resistant foam, CO2, Dry Chemical	H-4 (Warehouse Storage - The material is classified as non-hazardous while it is inert / stored)	YES

