

1. PRODUCT & COMPANY IDENTIFICATION

SUPPLIER DETAILS:

Sprayroq
2870 Crestwood Blvd
Irondale, AL 35210
(205)957-0020
Sprayroq.com

EMERGENCY:

CHEMTREC 800.424.9300

2. HAZARD(S) IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS):

HEALTH	Serious Eye Damage/Eye Irritation, 1
HEALTH	Specific target organ toxicity - Repeated exposure, 1
ENVIRONMENTAL	Hazards to the aquatic environment - Chronic, 3
HEALTH	Skin corrosion/irritation, 2
HEALTH	Specific target organ toxicity - Single exposure, 3
HEALTH	Acute toxicity, 4 Dermal
HEALTH	Acute toxicity, 4 Inhalation
HEALTH	Acute toxicity, 5 Oral

GHS LABEL ELEMENTS

SIGNAL WORD DANGER

PICTOGRAMS



GHS HAZARD STATEMENTS

H318	Causes serious eye damage
H372	Causes damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H312	Harmful in contact with skin
H332	Harmful if inhaled
H303	May be harmful if swallowed

GHS PRECAUTIONARY STATEMENTS

P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product



P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P305+351+338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
P314	Get Medical advice/attention if you feel unwell
P501	Dispose of contents/container to a licensed waste disposal company

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS

ROUTE OF ENTRY:

Eyes; Ingestion; Inhalation; Skin

TARGET ORGANS:

Eyes; Skin; Respiratory system

INHALATION:

Not expected to be a route of exposure under normal conditions. Heating, spraying, foaming, or otherwise mechanically dispersing (drumming, venting or pumping) operations of this blend may generate more vapor or aerosol concentrations of its components. May cause sneezing and slight irritation of nose, throat and lungs.

SKIN CONTACT:

Prolonged or repeated exposure can cause skin irritation or dermatitis in some individuals.

EYE CONTACT:

May cause watering of the eye and irritation of the conjunctiva.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

CAS#	%	CHEMICAL NAME
1318-02-1	1-5%	Zeolites other than erionite (clinoptilolite, phillipsite, mordenite, non-fibrous Japanese zeolite, synthetic zeolites)
0	70-90%	Proprietary polyol blend
0	15-50%	Proprietary Filler Blend



4. FIRST AID MEASURES

INHALATION:

If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

SKIN CONTACT:

Wash with large quantities of soap and water. Wash clothing before reuse. Seek medical attention if redness, burning or an itching sensation develops or persists after the area is washed.

EYE CONTACT:

Flush eyes with plenty of water for at least 15 minutes. Use fingers to assure that the eyelids are separated and that the eye is being irrigated. Consult a physician if discomfort persists.

INGESTION:

Induce vomiting. Never give anything by mouth to an unconscious person. Bring to the attention of a physician.

5. FIRE FIGHTING MEASURES

FLAMMABILITY:	None
FLASH POINT:	332°F
FLASH POINT METHOD:	PMCC Pensky-Martens Closed Cup (ASTM D-93)
AUTOIGNITION TEMP:	NDA

Use dry chemical, alcohol type foam, foam or carbon dioxide. Use cold water spray to cool fire-exposed containers to minimize risk of rupture. Do not direct a solid stream of water or foam into the hot burning liquid as this could cause frothing and increase fire intensity. If possible, contain fire run-off water. Positive-pressure self-contained breathing apparatus with full face-piece and full protective clothing should be worn by fire-fighters. Combustion may produce carbon dioxide, carbon monoxide, nitrogen oxides and other toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

SPILL:

Remove all sources of flames, heating elements, gas engines, etc. Emergency clean-up personnel should wear chemical goggles, rubber or plastic gloves and clothing as required to protect against contact. Prevent spreading and contamination of surface waters and drinking supplies. Notify local health officials and other appropriate agencies if such contamination should occur.

CLEAN UP:

With adequate ventilation and appropriate personal protective equipment, cover the area with an inert absorbent material such as clay or vermiculite and transfer to steel waste containers. Ventilate area to remove the remaining vapors.



7. HANDLING & STORAGE

HANDLING PRECAUTIONS:

Avoid skin and eye contact. Use personal protective equipment when transferring material to or from drums, totes or other containers. If contamination with isocyanates is suspected, do not reseal containers. Do not smoke or use naked lights, open flames, space heaters, or other ignition sources near pouring, frothing or spraying operations. Special Emphasis for Spray Applications of Mixed Products Containing Isocyanates: Inspect the application area for the potential to expose other persons or for overspray to drift onto buildings, vehicles or other property. When spraying building exteriors, persons entering or exiting the building as well as those inside could be exposed to polyisocyanates due to wind conditions, open windows or air intakes. Do not begin application work until these potential problems have been corrected.

STORAGE REQUIREMENTS:

When stored between 15 and 30°C (60 and 85°F) in a dry area in tightly sealed containers away from any source of heat or ignition, typical shelf life is 6 months or more from the date of manufacture. Consult technical data sheet for shelf life requirements affecting performance quality. Opened containers must be handled properly to prevent moisture pickup. If contamination is suspected, do not reseal containers.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). General mechanical room ventilation is satisfactory for normal handling and storage. Emergency eyewash and safety showers should be available in the immediate vicinity of potential exposure.

Uses requiring heating and/or spraying may require more aggressive engineering controls or PPE.

PERSONAL PROTECTIVE EQUIPMENT:

HMIS PP, D | Face Shield and Eye Protection, Gloves, Apron

EYE/FACE PROTECTION:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

SKIN PROTECTION:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

BODY PROTECTION:

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.



RESPIRATORY PROTECTION:

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

CONTROL OF ENVIRONMENTAL EXPOSURE:

Do not let product enter drains.

ETHYLBENZENE (100-41-4) [0-.1%]

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

TWA	100 ppm	USA. ACGIH Threshold Limit Values (TLV)
		Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI section) Confirmed animal carcinogen with unknown relevance to humans
STEL	125 ppm	USA. ACGIH Threshold Limit Values (TLV)
		Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI section) Confirmed animal carcinogen with unknown relevance to humans
TWA	100 ppm	USA. NIOSH Recommended Exposure Limits
	435 mg/m ³	
ST	125 ppm	USA. NIOSH Recommended Exposure Limits
	545 mg/m ³	
TWA	100 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z- 1
	435 mg/m ³	Limits for Air Contaminants
	<i>The value in mg/m³ is approximate.</i>	
TWA	100 ppm	USA. OSHA - TABLE Z-1 Limits for Air Contaminants
	435 mg/m ³	1910.1000
STEL	125 ppm	USA. OSHA - TABLE Z-1 Limits for Air Contaminants
	545 mg/m ³	1910.1000

XYLENE (MIXED ISOMERS) (1330-20-7) [.1-.4%]

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

TWA	100 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z- 1
	435 mg/m ³	Limits for Air Contaminants
TWA	100 ppm	USA. OSHA - TABLE Z-1 Limits for Air Contaminants
	435 mg/m ³	1910.1000
STEL	150 ppm	USA. ACGIH Threshold Limit Values (TLV)
	651 mg/m ³	1910.1000
	<i>Not classifiable as a human carcinogen.</i>	



TWA	100 ppm	USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation Central Nervous System impairment Substances for which there is a Biological Exposure Index or Indices (see BEI section) Not classifiable as a human carcinogen		
STEL	150 ppm	USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation Central Nervous System impairment Substances for which there is a Biological Exposure Index or Indices (see BEI section) Not classifiable as a human carcinogen		
TWA	100 ppm 435 mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z- 1 Limits for Air Contaminants
<i>The value in mg/m³ is approximate.</i>		
TWA	100 ppm 435 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants 1910.1000
STEL	150 ppm 655 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants 1910.1000

ZEOLITES OTHER THAN ERIONITE (CLINOPTILOLITE, PHILLIPSITE, MORDENITE, NON-FIBROUS JAPANESE ZEOLITE, SYNTHETIC ZEOLITES) (1318-02-1) [1-5%]:
No data available

SILICA, AMORPHOUS (7631-86-9) [0-.1%]:

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

TWA	6 mg/m ³	UUSA. NIOSH Recommended Exposure Limits
TWA	20 Million particles per particles per Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques. mppcf X 35.3 = million particles per cubic meter = particles per c.c	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts (OSHA) - Table Z-3 Mineral Dusts
TWA	80mg/m ³ / %SiO ₂	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Non-pigmented liquid
Physical State	Liquid
Odor Threshold	No data available
Spec Grav./Density	N/A
Viscosity	No data available
Boiling Point	Not determined
Flammability	None
Partition Coefficient	No data available
Vapor Pressure	No data available
pH	No data available
Evap. Rate	<1
Decomp Temp	No data available

Odor	Mild
Solubility	Not soluble in water;
Freezing/Melting Pt.	32°F
Flash Point	332°F
Vapor Density	>1
Auto-Ignition Temp	NDA
UFL/LFL	No data available



10. STABILITY & REACTIVITY

CHEMICAL STABILITY:

This is a stable material. Avoid high temperatures, sparks, flame and extended exposure over 110°F (45°C).

CONDITIONS TO AVOID:

High temperatures, sparks, flame and extended exposure over 110°F (45°C).

MATERIALS TO AVOID:

no additional data available.

HAZARDOUS DECOMPOSITION:

Heating in air to temperatures above 212°F may result in the formation of aldehydes. Incomplete combustion may produce carbon monoxide and other toxic gases.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION

ETHYLBENZENE (100-41-4) [0-.1%]

Information on toxicological effects:

ACUTE TOXICITY:

ORAL LD50:	No data available
INHALATION LC50 DERMAL LD50:	
DERMAL LD50 LD50 DERMAL - RABBIT	15,433 mg/kg

OTHER INFORMATION ON ACUTE TOXICITY

SKIN CORROSION/IRRITATION:	No data available
SERIOUS EYE DAMAGE/EYE IRRITATION:	No data available
RESPIRATORY OR SKIN SENSITISATION:	No data available
GERM CELL MUTAGENICITY:	No data available

CARCINOGENICITY:

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 2B - GROUP 2B:	Possibly carcinogenic to humans (Ethylbenzene)
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.



REPRODUCTIVE TOXICITY - NO DATA AVAILABLE

TERATOGENICITY: _____ No data available _____

SPECIFIC TARGET ORGAN TOXICITY:

SINGLE EXPOSURE (GLOBALLY HARMONIZED SYSTEM): _____ May cause respiratory irritation _____

REPEATED EXPOSURE (GLOBALLY HARMONIZED SYSTEM): _____ No data available _____

ASPIRATION HAZARD:

ASPIRATION HAZARD: _____ No data available _____

POTENTIAL HEALTH EFFECTS:

Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

SIGNS AND SYMPTOMS OF EXPOSURE:

Central nervous system depression, Nausea, Headache, Vomiting, Ataxia., Tremors

SYNERGISTIC EFFECTS: _____ No data available _____

Additional information

RTECS: DA0700000

XYLENE (MIXED ISOMERS) (1330-20-7) [.1-.4%]

Information on toxicological effects:

ACUTE TOXICITY:

ORAL LD50: _____ No data available _____

INHALATION LC50 _____ No data available _____

DERMAL LD50 _____ No data available _____

Other information on acute toxicity

SKIN CORROSION/IRRITATION: NO DATA AVAILABLE

SERIOUS EYE DAMAGE/EYE IRRITATION: _____ No data available _____

RESPIRATORY OR SKIN SENSITIZATION: _____ No data available _____

GERM CELL MUTAGENICITY:

No data available _____

CARCINOGENICITY:

IARC: 2B - GROUP 2B: _____ Possibly carcinogenic to humans (Ethylbenzene) _____

IARC: 3 - GROUP 3: _____ Not classifiable as to its carcinogenicity to humans (Xylene) _____

NTP: _____ No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP _____

OSHA: _____ No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. _____



REPRODUCTIVE TOXICITY:

No data available

SPECIFIC TARGET ORGAN TOXICITY:

SINGLE EXPOSURE (GLOBALLY HARMONIZED SYSTEM): No data available

REPEATED EXPOSURE (GLOBALLY HARMONIZED SYSTEM): No data available

ASPIRATION HAZARD:

ASPIRATION HAZARD: No data available

POTENTIAL HEALTH EFFECTS:

Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin Causes skin irritation. Eyes Causes eye irritation.

SIGNS AND SYMPTOMS OF EXPOSURE:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SYNERGISTIC EFFECTS: No data available

Additional information

RTECS: Not available

ZEOLITES OTHER THAN ERIONITE (CLINOPTILOLITE, PHILLIPSITE, MORDENITE, NON-FIBROUS JAPANESE ZEOLITE, SYNTHETIC ZEOLITES) (1318-02-1) [1-5%]

Information on toxicological effects:

ACUTE TOXICITY:

ORAL LD50 LD50 ORAL - RAT: > 10,000 mg/kg

INHALATION LC50 DERMAL LD50 LD50 DERMAL - RABBIT > 2,000 mg/kg

Other information on acute toxicity

SKIN CORROSION/IRRITATION:

SKIN - HUMAN: No skin irritation

SERIOUS EYE DAMAGE/EYE IRRITATION: EYES - RABBIT: No eye irritation

RESPIRATORY OR SKIN SENSITIZATION: No data available

GERM CELL MUTAGENICITY:

GENOTOXICITY IN VITRO - HUMAN: Lymphocyte cytogenetic analysis

GENOTOXICITY IN VIVO - MOUSE: Intraperitoneal



CARCINOGENICITY:

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 3 - GROUP 3:

Not classifiable as to its carcinogenicity to humans (Zeolites crystalline aluminosilicates, composed of silica (SiO₂) and alumina (Al₂O₃), in various proportions plus metallic oxides. Pr)

ACGIH:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP:

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

OSHA:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

REPRODUCTIVE TOXICITY:

No data available

TERATOGENICITY:

No data available

SPECIFIC TARGET ORGAN TOXICITY:

SINGLE EXPOSURE (GLOBALLY HARMONIZED SYSTEM): May cause respiratory irritation

REPEATED EXPOSURE (GLOBALLY HARMONIZED SYSTEM): No data available

ASPIRATION HAZARD:

ASPIRATION HAZARD: No data available

POTENTIAL HEALTH EFFECTS:

May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

SIGNS AND SYMPTOMS OF EXPOSURE:

prolonged or repeated exposure can cause:, Damage to the lungs. Cough, Difficulty in breathing, Gastrointestinal disturbance, prolonged or repeated exposure can cause:, Damage to the lungs., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SYNERGISTIC EFFECTS:

No data available

Additional information

RTECS: ZG6800000



12. ECOLOGICAL INFORMATION

ZEOLITES OTHER THAN ERIONITE (CLINOPTILOLITE, PHILLIPSITE, MORDENITE, NON-FIBROUS JAPANESE ZEOLITE, SYNTHETIC ZEOLITES) (1318-02-1) [1-5%]

Information on ecological effects:

TOXICITY:

PERSISTENCE AND DEGRADABILITY:	No data available
BIOACCUMULATIVE POTENTIAL:	No data available
MOBILITY IN SOIL:	No data available
PBT AND VPVB ASSESSMENT:	No data available
OTHER ADVERSE EFFECTS:	No data available

ETHYLBENZENE (100-41-4) [0-.1%]

Information on ecological effects:

TOXICITY:

LC50 - CYPRINODON VARIEGATUS (SHEEPSHEAD MINNOW):	88.00 mg/l - 96 h
LC50 - LEPOMIS MACROCHIRUS (BLUEGILL):	80.00 mg/l - 96 h
NOEC - CYPRINODON VARIEGATUS (SHEEPSHEAD MINNOW):	88 mg/l - 96 h
LC50 - ONCORHYNCHUS MYKISS (RAINBOW TROUT):	4.2 mg/l - 96 h
EC50 - DAPHNIA MAGNA (WATER FLEA) AND OTHER AQUATIC INVERTEBRATES:	2.90 mg/l - 48 h
PERSISTENCE AND DEGRADABILITY:	No data available
BIOACCUMULATIVE POTENTIAL:	No data available
MOBILITY IN SOIL:	No data available
PBT AND VPVB ASSESSMENT:	No data available
OTHER ADVERSE EFFECTS:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal
TOXIC TO AQUATIC LIFE.:	Yes

XYLENE (MIXED ISOMERS) (1330-20-7) [.1-.4%]

Information on ecological effects:

TOXICITY: NO DATA AVAILABLE

PERSISTENCE AND DEGRADABILITY:	No data available
BIOACCUMULATIVE POTENTIAL:	No data available
MOBILITY IN SOIL:	No data available
PBT AND VPVB ASSESSMENT:	No data available
OTHER ADVERSE EFFECTS:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal
TOXIC TO AQUATIC LIFE.:	Yes



13. DISPOSAL CONSIDERATIONS

DISPOSAL:

Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

Do not allow material to enter sewers, a body of water, or contact the ground. Refer to RCRA 40 CFR 261, and/or any other appropriate federal, state or local requirements for proper classification information.

14. TRANSPORT INFORMATION

Non DOT/RCRA regulated

15. REGULATORY INFORMATION

COMPONENT (CAS#) [%] - CODES:

Zeolites other than erionite (clinoptilolite, phillipsite, mordenite, non-fibrous Japanese zeolite, synthetic zeolites)
(1318-02-1) [1- 5%] IARC

REGULATORY CODE DESCRIPTIONS:

RQ: Reportable Quantity

IARC: IARC Carcinogen Risks

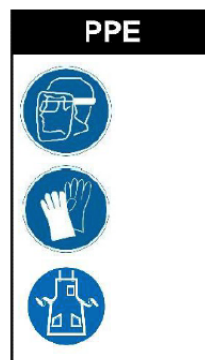
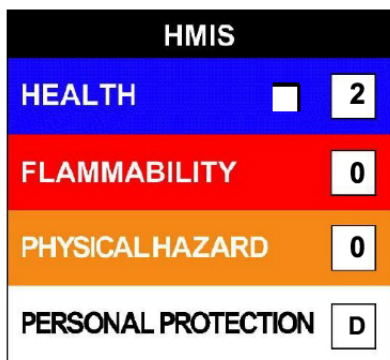


16. OTHER INFORMATION

NFPA: Health = 2, Fire = 0, Reactivity = 0, Specific Hazard = None

HMIS III: Health = 2, Fire = 0, Physical Hazard = 0

HMIS PPE: D - Face Shield and Eye Protection, Gloves, Apron



DISCLAIMER:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).