

Revision Date 11-Mar-2024

Version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** Ajust™ 32

**Other means of identification**

**Product Code** N/A

**Recommended use of the chemical and restrictions on use**

**Recommended Use** pH adjuster

**Uses advised against** Follow the directions for use on the label when applying this product.

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

Safe Foods Chemical Innovations  
1501 E. 8<sup>th</sup> Street  
North Little Rock, AR 72114

**Emergency telephone number**

**Company Phone Number** 501-758-8500  
**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 1A
Serious eye damage	Category 1
Corrosive to digestive tract	Category 2
Respiratory tract irritant	Category 3
Corrosive to metal	Category 1

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**

May be corrosive to metals  
Harmful if swallowed  
May cause severe skin burns and eye damage  
May be harmful if inhaled



**Physical state** Liquid **Color** Clear to slightly cloudy **Odor** Mild

**Precautionary Statements – Prevention**

Avoid breathing mists/vapors/spray.  
Do not get in eyes, or on skin, or on clothing.  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements – Response**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting unless advised by physician or poison control center.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical advice/attention.  
IF ON SKIN (or hair): Wash with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or a rash occurs: Get medical advice/attention.  
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Administer oxygen and get immediate medical attention.

**Hazards not otherwise classified (HNOC)**

Not applicable.

**Other Information**

Information provided in this SDS represents characteristics and physical data of the concentrated material as supplied.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	weight-%
Sodium Hydroxide	1310-73-2	29-32

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**NOTE** — The other components of this product are proprietary, and the formulation is maintained as a Trade Secret. Safety and hazard information in this SDS are for the blended formulation as supplied. Specific formulation information is immediately available to treating physicians or nurses in emergency situations, or to health professionals, employees, or designated representatives in non-emergencies where prior written consent is obtained.

Mixture with acidic products at normal use concentrations, or when delivered separately into a water stream or water volume, or mixture of either of these products as delivered into a diluted solution of the other, does not increase any hazard or create any new personnel or environmental concern beyond that of the original products themselves. The only change when these two products are blended is to create a buffered system that can reduce the alkalinity normally expected with Terrastat Plus WG.

### 4. FIRST AID MEASURES

#### First aid measures

<b>Eye contact</b>	Immediately flush eyes with plenty of cool, clean water for at least 15 minutes. Keep eyelids apart to maintain maximum contact with water. Do not allow the individual to rub their eyes. Get immediate medical attention.
<b>Skin contact</b>	Remove contaminated clothing and foot wear. Wash thoroughly with soap and water and do not reuse clothing until properly cleaned. Get immediate medical attention.
<b>Inhalation</b>	Immediately remove individual to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Get immediate medical advice.
<b>Ingestion</b>	If individual is conscious and able to swallow, quickly have the victim drink water to dilute. Do not give anything by mouth if individual is unconscious or is having convulsions. Induce vomiting only if advised to do so by a physician or poison control center. Contact a physician or poison control center immediately.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** May cause severe skin burns and eye damage. May cause respiratory irritation.

#### Indication of any immediate medical attention and special treatment needed

**Note to physicians** No information available.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Water spray, foam, dry chemical or carbon dioxide. Use water spray to keep fire-exposed containers cool. If a spill or leak has ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from a fire. Do not flush into a storm drain or public sewer.

**Unsuitable extinguishing media** No information available.

#### Specific hazards arising from the chemical

There are no known unusual explosion or fire hazards associated with this material in its virgin form. However, in a firefighting scenario, caustic vapors may be released.

#### Protective equipment and precautions for firefighters

Use self-contained breathing apparatus (SCBA) and proper personal protection clothing. Use water spray to keep fire-exposed containers cool. If a spill or leak has ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from a fire. Do not flush into a storm drain or public sewer. Caustic vapors may be released in a fire-fighting scenario.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Clear area of non-essential personnel. Wear appropriate protective gear to prevent eye and prolonged skin contact.

#### Environmental precautions

**Environmental precautions** No information available.

#### Methods and material for containment and cleaning up

<b>Methods for containment</b>	Contain spill or leak and soak up as much material as possible. Put collected material into suitable containers for disposal. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Use appropriate containment to avoid runoff or release to sewer or waterways.
<b>Methods for cleaning up</b>	Recovered solids or liquids may be disposed of in a permitted waste management facility. Consult Federal, state or local disposal authorities for approved procedures. Any disposal must be in compliance with Federal, state, or local regulations.

### 7. HANDLING AND STORAGE

**Precautions for safe handling****Advice on safe handling**

Eye wash and safety showers are required in the immediate work area. Check with your State OSHA to determine the maximum distance for stations to be placed in regard to possible chemical exposure.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

The material is safe to store in well-ventilated areas at ambient temperatures of between 35° and 120° F. Keep containers closed when not in use to prevent evaporative losses and possible contamination. Protect from freezing.

**Incompatible materials**

Do not store concentrated product in any amphoteric metal container, such as aluminum, magnesium, or zinc.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

Chemical Name	ACGI H TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	IDHL: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

**Appropriate engineering controls****Engineering Controls**

Normal ventilation has been found to be generally adequate. The end user must determine if the process or methods involved with the use of this material requires any additional ventilation.

**Individual protection measures, such as personal protective equipment****Eye protection**

Splash proof chemical goggles and full face shield should be used when working with concentrated product. If product is being sprayed or splashing is possible, splash proof chemical goggles or a splash shield in accordance with 29 CFR 1910.133 is recommended. Appropriate eye protection must be worn instead of, or in conjunction with, contact lenses.

**Skin protection**

Impervious rubber or vinyl gloves, rubber or vinyl apron, and rubber boots or overshoes should be worn when working with the product to avoid skin contact.

**Respiratory protection**

Not normally required. In situations where a risk of inhalation occurs, such as where product is being misted, a respirator or air delivery system in accordance with 29 CFR 1910.134 (OSHA), 42 CFR 84 (NIOSH), and any other applicable regulations may be recommended.

**Other**

Not generally required under normal working conditions. The end user must determine if the process or methods involved required other personal protection clothing and/or equipment.

**Work/Hygiene Practices**

Do not consume food, drink, or smoke in areas where chemicals are being stored or handled. After working with chemicals wash hands thoroughly before handling food or beverages. Segregate and launder contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid		
<b>Appearance</b>	Clear to slightly cloudy liquid	<b>Odor</b>	Mild
<b>Color</b>	Clear	<b>Odor threshold</b>	Moderate
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	> 13.0		
<b>Melting point / freezing point</b>	No information available.		
<b>Boiling point / boiling range</b>	> 212 °F		
<b>Flash point</b>	> 212 °F	Tag Closed Cup	
<b>Evaporation rate</b>	Less than water		
<b>Flammability (solid, gas)</b>	Not applicable.		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	Not applicable.		
<b>Lower flammability limit:</b>	Not applicable.		
<b>Vapor pressure</b>	No information available.		
<b>Vapor density</b>	Heavier than air.		
<b>Relative density</b>	1.33 typical		
<b>Water solubility</b>	Soluble.		
<b>Solubility in other solvents</b>	No information available.		
<b>Partition coefficient</b>	No information available.		
<b>Autoignition temperature</b>	Not applicable.		
<b>Decomposition temperature</b>	Not applicable.		
<b>Kinematic viscosity</b>	No information available.		
<b>Dynamic viscosity</b>	No information available.		
<b>Explosive properties</b>	No information available.		
<b>Oxidizing properties</b>	No information available.		

**Other Information**

Softening Point	No information available.
Molecular Weight	No information available.
VOC Content (%)	No information available.
Density	No information available.
Bulk density	No information available.

**10. STABILITY AND REACTIVITY****Reactivity**

Product is stable as delivered.

**Chemical stability**

Stable.

**Possibility of Hazardous Reactions**

Heat may be generated in contact with strong acids or oxidizers.

**Conditions to avoid**

Avoid direct contact of concentrated product with acids. Add slowly to water with dilution and agitation to avoid a strong exothermic or sudden reaction that might lead to splashing. Avoid contact with aluminum, tin, magnesium, zinc, leather, and organic halogen or nitro compounds.

**Incompatible materials**

Avoid contact of concentrated product with acids, flammable compounds, and amphoteric metals.

**Hazardous Decomposition Products**

None known.

**Polymerization**

Will not occur.

**11. TOXICOLOGICAL INFORMATION****Primary routes of exposure****Acute**

Eye and Skin Exposure	Severe irritant, corrosive.
Inhalation	Corrosive to mucous membranes.
Ingestion	Corrosive.

**Chronic**

May produce inflammation of the eyes, skin, and mucous membranes.

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** None of the components present in this material are listed on the IARC, NTP, or OSHA carcinogen lists.

**Safety Precautions**

As with all chemicals, avoid contact with eyes, skin, and clothing; wash thoroughly after handling, especially before eating, drinking, or smoking.

**12. ECOLOGICAL INFORMATION**

No information available.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of wastes**

All disposals of this material must be done in accordance with Federal, state and local regulations. Waste characterization and compliance with disposal regulations are the responsibilities of the waste generator. If pH of the waste is greater than 12.5, then it must be handled as a RCRA hazardous waste.

**Contaminated packaging**

All disposals of this material must be done in accordance with Federal, state and local regulations.

**14. TRANSPORT INFORMATION****DOT**

UN/ID No.	1824
Proper shipping name	Sodium hydroxide solution
Hazard Class	8
Packing Group	II
Emergency Response Guide Number	No information available.

**15. REGULATORY INFORMATION****International Inventories**

TSCA Complies

DSL/NDSL

EINECS/ELINCS

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium Hydroxide 1310-73-2	1000 lb	-	-	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium Hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Hydroxide 1310-73-2	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	Health hazards	3	Flammability	0	Instability	1	<b>Physical and Chemical Properties</b> Corrosive <b>Personal protection</b> X
<b>HMS</b>	Health hazards	3	Flammability	0	Physical hazards	1	

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The health hazards given on this SDS apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs

and symptoms of exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

**End of Safety Data Sheet**