

SAFETY DATA SHEET

AB 5892 **ASSAULT** May 20, 2015

SECTION 1: Product and company identification

Product ID

AB 5892

Product Name

ASSAULT

Use of the substance/mixture

Salt Residue Neutralizer

Manufacturer's Name

American Specialty Products Corporation

Address

P.O. Box 3726, Grand Rapids, MI. 49501 US

Emergency Phone

(616) 235-0814

Information Phone

(616) 235-0814

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification (GHS-US)

Skin Corr. 1C H314

Full text of H-phrases: see section 16

Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

Hazard statements (GHS-US)

: Danger

Precautionary statements (GHS-US)

Causes severe skin burns and eye damage

Do not breathe mist, spray

Wash thoroughly after handling

Wear eye protection, face protection, protective clothing, protective gloves

If swallowed: rinse mouth, Do NOT induce vomiting

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower

If inhaled: Remove person to fresh air and keep comfortable for breathing

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing

Immediately call a doctor, a POISON CENTER

Specific treatment (see First aid measures on this label)

Wash contaminated clothing before reuse

Store locked up

Dispose of contents/container to comply with local/regional/national/international regulations

2.3. Other hazards

No additional information available

Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)	T
sulfamic acid		3.0 - 7.0	Skin Irrit. 2, H315	1
			Eye Irrit. 2A, H319	İ

SECTION 4: First aid measures

4.1. Description of first aid measures

If you feel unwell, seek medical advice (show the label where possible). First-aid measures general

First-aid measures after inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with

water/shower. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. Immediately call a poison center or doctor/physician.

Rinse mouth, Do NOT induce vomiting, Get medical advice/attention if you feel unwell. Most important symptoms and effects, both acute and delayed

Symptoms/injuries Causes severe skin burns and eye damage.

Symptoms/injuries after inhalation May cause respiratory irritation. Symptoms/injuries after skin contact Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

Symptoms/injuries after ingestion Harmful if swallowed. Burns to the gastric/intestinal mucosa.

Indication of any immediate medical attention and special treatment needed

No additional information available

First-aid measures after ingestion

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : All extinguishing media allowed.

Special hazards arising from the substance or mixture

Reactivity Upon combustion: CO and CO2 are formed.

5.3. Advice for firefighters

Firefighting instructions Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed

containers. Take account of environmentally hazardous firefighting water.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures Isolate from fire, if possible, without unnecessary risk.

6.1.1. For non-emergency personnel

Protective equipment : Gloves. Protective goggles. Protective clothing,

Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Emergency procedures

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures Stop leak if safe to do so. Stop release, Ventilate area.

Environmental precautions

Avoid release to the environment. Prevent soil and water pollution.

Methods and material for containment and cleaning up

For containment Contain released substance, pump into suitable containers.

Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

Reference to other sections

No additional information available

SECTION 7: Handling and storage

Precautions for safe handling

Comply with the legal requirements. Do not handle until all safety precautions have been read and Precautions for safe handling

understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care.

Hygiene measures Wash thoroughly after handling. Wash contaminated clothing before reuse.

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Conditions for safe storage, including any incompatibilities

Technical measures Comply with applicable regulations. Add ALLWAYS product to water for dilution/mixture. Never add

water to this product.

Storage conditions Keep container closed when not in use. Store in original container.

Incompatible products strong acids.

Storage area Keep only in the original container. Store in a dry area. Store in a cool area.

Special rules on packaging meet the legal requirements.

SECTION 8: Exposure controls/personal protection

Control parameters

No additional information available

Exposure controls

Personal protective equipment

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Safety glasses. Protective clothing.







SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state

Appearance Clear, colorless liquid.

Odor : Cherry

Odor threshold No data available

pΗ 2

Melting point No data available Freezing point No data available Boiling point No data available

Flash point > 200 °F

Relative evaporation rate (butyl acetate=1) No data available Flammability (solid, gas) : No data available **Explosion limits** : No data available Explosive properties No data available Oxidizing properties No data available Vapor pressure No data available Relative density No data available Relative vapor density at 20 °C No data available

Specific gravity / density : 1 g/m]

Solubility Soluble in water. Log Pow No data available Log Kow No data available Auto-ignition temperature No data available Decomposition temperature No data available Viscosity No data available Viscosity, kinematic No data available Viscosity, dynamic : No data available VOC content < 0.5 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion: CO and CO2 are formed.

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10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

sulfamic acid (5329-14-6)	
LD50 oral rat	3160 mg/kg (Rat; Literature study)
LD50 dermal rat	> 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)

Skin corrosion/irritation : Causes severe skin burns and eye damage.

pH: 2

Serious eye damage/irritation : Not classified

pH: 2

Respiratory or skin sensitization : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified Specific target organ toxicity (repeated : Not classified

exposure)

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact : Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.

Symptoms/injuries after ingestion : Harmful if swallowed, Burns to the gastric/intestinal mucosa.

SECTION 12: Ecological information

12.1. Toxicity

sulfamic acid (5329-14-6)		
LC50 fish 1	> 14.2 mg/l (96 h; Pimephales promelas)	
EC50 Daphnia 1	1.6 mg/l (48 h; Daphnia magna; GLP)	
EC50 other aquatic organisms 1	>= 1000 mg/l (16 h; Pseudomonas putida)	
LC50 fish 2	70.3 mg/l (96 h; Pimephales promelas)	
Threshold limit algae 1	48 mg/l (72 h; Desmodesmus subspicatus; GLP)	

12.2. Persistence and degradability

sulfamic acid (5329-14-6)	
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

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12.3. Bioaccumulative potential

sulfamic acid (5329-14-6)	
Log Pow	0.10 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

Transport document description : UN2967 Sulfamic acid solution, 8, III

UN-No.(DOT) : UN2967
Proper Shipping Name (DOT) : Sulfamic acid

solution

Transport hazard class(es) (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173,136

Hazard labels (DOT) : 8 - Corrosive



Packing group (DOT) : III - Minor Danger

DOT Packaging Non Bulk (49 CFR 173,xxx) : 213 DOT Packaging Bulk (49 CFR 173,xxx) : 240

DOT Special Provisions (49 CFR 172.102) : IB8,IP3,T1,TP33

DOT Packaging Exceptions (49 CFR : 154

173.xxx)

DOT Quantity Limitations Passenger : 25 kg

aircraft/rail (49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft : 100 kg

only (49 CFR 175.75)

DOT Vessel Stowage Location : A

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

SECTION 16: Other information

Training advice

: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A	
Skin Corr. 1C	Skin corrosion/irritation Category 1C	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
H314	Causes severe skin burns and eye damage	
H315	Causes skin irritation	
H319	Causes serious eye irritation	

NFPA health hazard :

2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury

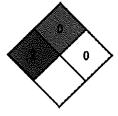
unless prompt medical attention is given.

NFPA fire hazard

0 - Materials that will not burn.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

To the best of our knowledge, the information contained herein is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The above information pertains to this product as currently formulated, and is based on the information available at this time, Addition of reducers or other additives to this product may substantially after the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.