

SAFETY DATA SHEET

According to 29 CFR 1910.1200 Hazard Communication Standard 2012 (HazCom 2012)

SECTION 1: Identification

Product identifier

Product name Nitrate 44 - Reagent A

Product number R-8035A

Recommended use and

restrictions

To be used in accordance with manufacturer instructions or under the direct guidance of the

Category 2A

manufacturer.

Manufacturer Taylor Technologies, Inc.

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Emergency phone: (800) 837-8548

SECTION 2: Hazard(s) identification

Physical hazards No data available

Health hazards Eye damage/irritation

Environmental hazards No data available

Label elements

Hazard pictograms



Signal word Warning

Hazard statements Causes serious eye irritation

Precautionary statements

Prevention Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face

protection if contact is likely to occur.

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and

easy to do. Continue rinsing. IF EYE IRRITATION PERSISTS: Get medical advice/attention.

Storage Keep tightly capped. Store out of direct sunlight between 36°F–85°F.

Disposal No data available **Hazards not otherwise** No data available

classified

SECTION 3: Composition/information on ingredients

Mixture				
Chemical name	Common name and synonyms	CAS number	% 70–80	
Citric acid	Not available	77-92-9		
Sodium citrate monobasic	Sodium dihydrogen citrate	18996-35-5	10–20	
Sulfanilamide	p-Aminobenzenesulfonamide	63-74-1	5–15	
Glycine	Aminoacetic acid	56-40-6	0.1–5	

SECTION 4: First-aid measures

If inhaled

Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops. Give oxygen or artificial respiration if needed.

In case of skin contact

Immediately flush skin with plenty of water for at least 20 minutes. If clothing comes in contact with the product, the clothing should be removed and laundered before reuse. Seek medical attention if irritation develops.

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In case of eye contact

Immediately flush eyes with plenty of water for at least 20 minutes. Remove contact lenses if present and easy to do. Continue rinsing. If symptoms persist or in all cases of concern, seek medical advice.

If swallowed

Rinse mouth. Never give anything by mouth to a person who is unconscious or is having convulsions. Do NOT induce vomiting unless directed by physician. If vomiting occurs, keep head low so that stomach content does not get into the lungs. If symptoms persist or in all cases of concern, seek medical advice.

Most important symptoms and effects, both acute and delayed

Refer to section 2 and/or section 11 of the SDS for the most important known symptoms and effects.

Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

General information

Ensure medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SECTION 5: Firefighting measures

Extinguishing media

Unsuitable extinguishing Do not use a heavy water stream. Use of heavy stream of water may spread fire.

media

Specific hazards arising from the substance or mixture

Fire hazard Not flammable Explosion hazard Not explosive

Reactivity Hazardous reactions will not occur under normal conditions.

Hazardous combustion Carbon oxides, nitrogen oxides, sodium oxides, sulfur oxides

products

Advice for firefighters

Precautionary measures Exercise caution when fighting any chemical fire; hazardous fumes will be present.

Firefighting Use water spray or fog for cooling exposed containers.

equipment/instructions

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

Other information Refer to section 9 of the SDS for flammability properties.

SECTION 6: Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during cleanup. Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protective equipment, refer to section 8 of the SDS.

Environmental precautions

Avoid discharge into drains, watercourses, or onto the ground.

Methods and material for containment and cleaning up

Wet down and dike the spilled material where this is possible. Stop leak if it can be done without risk. Shovel material into waste container. If sweeping of contaminated area is necessary, use a dust suppressant agent that does not react with the product. Collect dust using a vacuum cleaner equipped with a HEPA filter. Minimize dust generation and accumulation. Prevent entry into waterways, sewers, basements, or confined areas. Following product recovery, flush area with water to remove residual contamination. Never return spills to original containers for reuse. Contaminated absorbent material may pose the same hazards as the spilled product. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Reference to other sections

For exposure controls and personal protection, refer to section 8 of the SDS. For waste disposal, refer to section 13 of the SDS.

SECTION 7: Handling and storage

Precautions for safe handling

Do not breathe dust. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. For personal protective equipment, refer to section 8 of the SDS. Keep away from incompatibles. Observe good industrial hygiene practices. Label containers appropriately.

Conditions for safe storage, including any incompatibilities

Keep tightly capped. Store out of direct sunlight between 36°F–85°F. Store away from incompatible materials (refer to section 10 of the SDS).

SECTION 8: Exposure controls/personal protection

Occupational exposure limits No occupational exposure limits noted for the ingredient(s)

Biological limit values No biological exposure limits noted for the ingredient(s)

Exposure controls

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eyewash facilities and emergency shower must be available when handling this product.

Personal protective

equipment

Eye/face protection Wear appropriate chemical safety goggles if contact is likely to occur.

Skin protection Wear appropriate chemical-resistant gloves and clothing if contact is likely to occur.

Body protection Wear appropriate protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Use a NIOSH/MSHA

approved respirator if there is a risk of exposure to dust/fumes at levels exceeding the exposure

limits. Advice should be sought from respiratory protection suppliers.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state Solid
Form Powder
Color Off-white
Odor Odorless

Odor threshold No data available No data available рΗ Evaporation rate No data available Melting point No data available Freezing point No data available **Boiling point** No data available Flash point No data available No data available Auto-ignition temperature Decomposition temperature No data available Flammability (solid, gas) No data available No data available Vapor pressure Relative vapor density No data available

Soluble in all proportions

Partition coefficient (n-octanol/water)

No data available

Viscosity

No data available
Explosive properties

No data available
Oxidizing properties

No data available

SECTION 10: Stability and reactivity

Reactivity Hazardous reactions will not occur under normal conditions.

Chemical stability Stable under recommended handling and storage conditions (refer to section 7 of the SDS)

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use

Conditions to avoidContact with incompatible materials. Do not use in areas without adequate ventilation.

Incompatible materialsBases, nitrates, oxidizing agents, reducing agents, strong oxidizing agents

SECTION 11: Toxicological information

Information on toxicological

effects

Inhalation May cause irritation to the respiratory system

Skin contact May cause slight or mild transient irritation

Eye contact Causes serious eye irritation

Ingestion May cause irritation, nausea, vomiting, and diarrhea

Most important

symptoms/effects, acute and

delayed

Direct skin contact may cause slight or mild transient irritation. Symptoms may include redness and

itching.

Direct eye contact may cause serious irritation. Symptoms may include stinging, tearing, redness,

swelling, and blurred vision.

Inhalation of dusts can cause respiratory irritation. Symptoms may include coughing and breathing

difficulties.

Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Acute toxicity This product is not classified as an acute toxicity hazard. See below for individual ingredient acute

toxicity data.

Components		Species	Test Results	
Citric acid (CAS 77-92-9)				
Acute				
Dermal				
LD ₅₀		Rat	>2000 mg/kg	
Oral				
LD ₅₀		Rat	5400 mg/kg	
Glycine (CAS 63-74-1)				
Acute				
Oral				
LD ₅₀		Rat	7930 mg/kg	
Sulfanilamide (CAS 63-74-1)				
Acute				
Oral				
LD ₅₀		Dog	2000 mg/kg	
LD ₅₀ LD ₅₀		Guinea pig Mouse	3130 mg/kg 3000 mg/kg	
LD ₅₀		Rabbit	1300 mg/kg	
Respiratory or skin sensitization	No data available			
Germ cell mutagenicity	No data available			
Carcinogenicity	No data available			
Reproductive toxicity	No data available			
Specific target organ toxicity (single exposure)	No data available			
Specific target organ toxicity (repeated exposure)	No data available			
Aspiration hazard	No data available			

SECTION 12: Ecological information

This product is not classified as environmentally hazardous; however, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

SECTION 13: Disposal considerations

Collect and reclaim or dispose of in sealed containers at a licensed waste disposal site. Since emptied containers may retain product residue, follow label warnings even after container is emptied. This material and its container must be disposed of in a safe manner. Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

DOT

Not regulated as a dangerous good

SECTION 15: Regulatory information

No data available

SECTION 16: Other information

NFPA Rating

Health hazard 1
Fire hazard 0
Reactivity 0
Specific N/A

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