

SAFETY DATA SHEET

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

Sodium Chloride (Salt) 80 - Reagent B			
R-8023B			
To be used in accordance with manufacturer instructions or under the direct guidance of the manufacturer.			
Taylor Technologies, Inc. 31 Loveton Circle Sparks, MD 21152 Phone: (410) 472-4340 Emergency phone: (800) 837-	8548		
entification			
Oxidizing liquids	Category 2		
Eye damage/irritation	Category 2A		
Skin corrosion/irritation	Category 2		
No data available			
Danger			
May intensify fire; oxidizer. Ca	uses serious eye irri	itation. Causes skin irritation.	
mixing with combustibles and	organics. Wear prot	ective gloves/protective clothing	/eye
IF ON SKIN: Wash with plenty of water. IF SKIN IRRITATION OCCURS: Get medical advice/attention. Take off all contaminated clothing and wash it before reuse. 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. IN CASE OF FIRE: Use carbon dioxide, dry chemical powder, foam, or water fog to extinguish.			andling.
advice/attention. Take off all c cautiously with water for sever Continue rinsing. IF EYE IRRI	ontaminated clothing al minutes. Remove TATION PERSISTS	g and wash it before reuse. IF I e contact lenses if present and e : Get medical advice/attention.	dical N EYES: Rinse easy to do.
advice/attention. Take off all c cautiously with water for sever Continue rinsing. IF EYE IRRI Use carbon dioxide, dry chem	ontaminated clothing al minutes. Remove TATION PERSISTS ical powder, foam, o	g and wash it before reuse. IF II e contact lenses if present and e : Get medical advice/attention. or water fog to extinguish.	dical N EYES: Rinse asy to do. IN CASE OF FIRE:
advice/attention. Take off all c cautiously with water for sever Continue rinsing. IF EYE IRRI Use carbon dioxide, dry chem Keep tightly capped. Store out	ontaminated clothing al minutes. Remove TATION PERSISTS ical powder, foam, o of direct sunlight be	g and wash it before reuse. IF I e contact lenses if present and e : Get medical advice/attention.	dical N EYES: Rinse asy to do. IN CASE OF FIRE: d up.
advice/attention. Take off all c cautiously with water for sever Continue rinsing. IF EYE IRRI Use carbon dioxide, dry chem Keep tightly capped. Store out	ontaminated clothing al minutes. Remove TATION PERSISTS ical powder, foam, o of direct sunlight be	g and wash it before reuse. IF II e contact lenses if present and e : Get medical advice/attention. or water fog to extinguish. etween 36°F–85°F. Store locked	dical N EYES: Rinse asy to do. IN CASE OF FIRE: d up.
advice/attention. Take off all c cautiously with water for sever Continue rinsing. IF EYE IRRI Use carbon dioxide, dry chem Keep tightly capped. Store out Dispose of contents/container	ontaminated clothing al minutes. Remove TATION PERSISTS ical powder, foam, o of direct sunlight be in accordance with	g and wash it before reuse. IF II e contact lenses if present and e : Get medical advice/attention. or water fog to extinguish. etween 36°F–85°F. Store locked	dical N EYES: Rinse asy to do. IN CASE OF FIRE: d up.
advice/attention. Take off all c cautiously with water for sever Continue rinsing. IF EYE IRRI Use carbon dioxide, dry chem Keep tightly capped. Store out Dispose of contents/container No data available	ontaminated clothing al minutes. Remove TATION PERSISTS ical powder, foam, o of direct sunlight be in accordance with	g and wash it before reuse. IF II e contact lenses if present and e : Get medical advice/attention. or water fog to extinguish. etween 36°F–85°F. Store locked	dical N EYES: Rinse asy to do. IN CASE OF FIRE d up.
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advice/attention. Take off all c cautiously with water for sever Continue rinsing. IF EYE IRRI Use carbon dioxide, dry chem Keep tightly capped. Store out Dispose of contents/container No data available	ontaminated clothing al minutes. Remove TATION PERSISTS ical powder, foam, o of direct sunlight be in accordance with	g and wash it before reuse. IF II e contact lenses if present and e : Get medical advice/attention. or water fog to extinguish. etween 36°F–85°F. Store locked local/regional/national/internation	dical N EYES: Rinse basy to do. IN CASE OF FIRE: d up. onal regulations.
	Sodium Chloride (Salt) 8 R-8023B To be used in accordance with manufacturer. Taylor Technologies, Inc. 31 Loveton Circle Sparks, MD 21152 Phone: (410) 472-4340 Emergency phone: (800) 837- Entification Oxidizing liquids Eye damage/irritation Skin corrosion/irritation No data available Oxidata available Danger May intensify fire; oxidizer. Ca Keep/store away from clothing mixing with combustibles and	Sodium Chloride (Salt) 80 - Reagent B R-8023B To be used in accordance with manufacturer instru- manufacturer. Taylor Technologies, Inc. 31 Loveton Circle Sparks, MD 21152 Phone: (410) 472-4340 Emergency phone: (800) 837-8548 Striffication Oxidizing liquids Eye damage/irritation Skin corrosion/irritation Category 2A Skin corrosion/irritation Category 2 No data available Category 2 No data available Danger May intensify fire; oxidizer. Causes serious eye irr Keep/store away from clothing, combustible mater	Sodium Chloride (Salt) 80 - Reagent B R-8023B To be used in accordance with manufacturer instructions or under the direct guida manufacturer. Taylor Technologies, Inc. 31 Loveton Circle Sparks, MD 21152 Phone: (410) 472-4340 Emergency phone: (800) 837-8548 Diffication Oxidizing liquids Category 2 Eye damage/irritation Category 2 Skin corrosion/irritation Category 2 No data available Diffication To data available Danger May intensify fire; oxidizer. Causes serious eye irritation. Causes skin irritation. Keep/store away from clothing, combustible material, and organics. Take any pre- mixing with combustibles and organics. Wear protective gloves/protective clothing

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.

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

Call a physician or poison control center immediately. 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.

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 Suitable extinguishing media	Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	Do not use a heavy water stream. Use of heavy stream of water may spread fire. Do not use carbon dioxides or other smother agents, as they may be ineffective in tires involving oxidizers.
Specific hazards arising from the substance or mixture Fire hazard	May intensify fire; oxidizer.
Explosion hazard	Not explosive
Reactivity	Hazardous reactions will not occur under normal conditions.
Hazardous combustion products	Nitrogen oxides, oxygen, silver metallic, and silver oxides
Advice for firefighters	
Precautionary measures	Exercise caution when fighting any chemical fire; hazardous fumes will be present.
Firefighting equipment/instructions	Use water spray or fog for cooling exposed containers.
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 mist or vapor. 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

Ventilate the contaminated area. Dike the spilled material where this is possible. Stop leak if it can be done without risk. Absorb spillage to prevent material damage. Absorb in vermiculite, dry sand or earth, and place into containers. 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 mist or vapor. 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 locked up. Store away from incompatible materials (refer to section 10 of the SDS).

	S			
ACGIH Threshold Limit Valu		Malasa	F	
Components Silver nitrate (CAS 7761-88-	<u>Type</u> 8) TWA	<u>Value</u> 0.01 mg/m ³	Form as Ag	
Υ.	-,	0.01 mg/m	as Ay	
NIOSH: Pocket Guide to Che Components	mical Hazards Type	Value	Form	
Silver nitrate (CAS 7761-88-	<u>,</u>	0.01 mg/m ³	Dust as Ag	
OSHA Table Z-1 Limits for A	ir Contaminants (29 CFR 1910.100	-	C C	
Components	` Туре	, Value	Form	
Silver nitrate (CAS 7761-88-	8) PEL	0.01 mg/m ³	as Ag	
Biological limit values	No biological exposure limits noted for the ingredient(s)			
Appropriate engineering	Good general ventilation (typically			
Appropriate engineering controls	Good general ventilation (typically be matched to conditions. If appli- engineering controls to maintain a limits have not been established, and emergency shower must be a	cable, use process enclosures, lo airborne levels below recommend maintain airborne levels to an ac	cal exhaust ventilation, or othe led exposure limits. If exposure ceptable level. Eyewash faciliti	
	be matched to conditions. If applied engineering controls to maintain a limits have not been established,	cable, use process enclosures, lo airborne levels below recommend maintain airborne levels to an ac	cal exhaust ventilation, or othe led exposure limits. If exposure ceptable level. Eyewash faciliti	
controls Personal protective	be matched to conditions. If applied engineering controls to maintain a limits have not been established,	cable, use process enclosures, lo airborne levels below recommend maintain airborne levels to an acc available when handling this prod	ocal exhaust ventilation, or othe led exposure limits. If exposure ceptable level. Eyewash faciliti uct.	
controls Personal protective equipment	be matched to conditions. If appli- engineering controls to maintain a limits have not been established, and emergency shower must be a	cable, use process enclosures, lo airborne levels below recommend maintain airborne levels to an acc available when handling this prod	cal exhaust ventilation, or othe led exposure limits. If exposure ceptable level. Eyewash faciliti uct.	
controls Personal protective equipment Eye/face protection	be matched to conditions. If appli- engineering controls to maintain a limits have not been established, and emergency shower must be a Wear appropriate chemical safety	cable, use process enclosures, lo airborne levels below recommend maintain airborne levels to an acc available when handling this prod goggles if contact is likely to occ ant gloves and clothing if contact	cal exhaust ventilation, or othe led exposure limits. If exposure ceptable level. Eyewash faciliti uct.	

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

and chemical properties	•
Physical state	Liquid
Form	Liquid
Color	Clear, colorless
Odor	Odorless
Odor threshold	No data available
рН	4.4
Evaporation rate	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	212°F (100°C)
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapor pressure	17 mm Hg
Relative vapor density	0.6
Solubility	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

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 avoid	Contact with incompatible materials. Do not use in areas without adequate ventilation.		
Incompatible materials	Combustible mater	ial and organics	
CTION 11: Toxicological	information		
Information on toxicological effects Inhalation	May aquaa irritatior	to the receivatory and	om
	-	to the respiratory syst	em
Skin contact	Causes skin irritation.		
Eye contact	Causes serious eye		d diarah an
Ingestion	May cause irritation, nausea, vomiting, and diarrhea		
Most important symptoms/effects, acute and	Direct skin contact may cause slight or mild transient irritation. Symptoms may include redness and itching.		
delayed	 Direct eye contact may cause serious irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Inhalation of mists 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.		
-	toxicity data.	classified as an acute to	oxicity hazard. See below for individual ingredient acute
Components		classified as an acute to Species	oxicity hazard. See below for individual ingredient acute Test Results
·			
Components			
Components Silver nitrate (CAS 7761-88-8)			
Components Silver nitrate (CAS 7761-88-8) Acute			
Components Silver nitrate (CAS 7761-88-8) Acute Oral		Species	Test Results
Components Silver nitrate (CAS 7761-88-8) Acute Oral LD ₅₀ Respiratory or skin	toxicity data.	Species	Test Results
Components Silver nitrate (CAS 7761-88-8) Acute Oral LD ₅₀ Respiratory or skin sensitization	toxicity data. No data available	Species	Test Results
Components Silver nitrate (CAS 7761-88-8) Acute Oral LD ₅₀ Respiratory or skin sensitization Germ cell mutagenicity	toxicity data. No data available No data available	Species	Test Results
Components Silver nitrate (CAS 7761-88-8) Acute Oral LD ₅₀ Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity	toxicity data. No data available No data available No data available	Species	Test Results
Components Silver nitrate (CAS 7761-88-8) Acute Oral LD ₅₀ Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity	toxicity data. No data available No data available No data available No data available No data available No data available	Species	Test Results

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	
UN number	UN3139
UN proper shipping name	Oxidizing liquid, N.O.S. (Silver nitrate)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	Not listed
Label(s)	5.1
Packing group	II
Special precautions for user	Read safety instructions, SDS, and emergency procedures before handling.

Special provisions Packaging exceptions Packaging, non-bulk Packaging, bulk	62, 127, A2, IB2 152 202 242
IATA	
UN number	UN3139
UN proper shipping name Transport hazard class(es)	Oxidizing liquid, N.O.S. (Silver nitrate)
Class	5.1
Subsidiary risk	Not listed
Packing group	
Environmental hazards	Not listed
ERG code	5L Bood opfoty instructions, SDS, and amorganous procedures before bandling
Special precautions for user Other information	Read safety instructions, SDS, and emergency procedures before handling.
Passenger and cargo	Allowed
aircraft	
Cargo aircraft only	Allowed
IMDG	
UN number	UN3139
UN proper shipping name	Oxidizing liquid, N.O.S. (Silver nitrate)
Transport hazard class(es)	
Class	5.1
Subsidiary risk	Not listed
Packing group Environmental hazards	II
Marine pollutant	Not listed
EmS	F-A, S-Q
Special precautions for user	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	This substance/mixture is not intended to be transported in bulk.
DOT	OXIDIZER
	5.1

IATA; IMDG

SECTION 15: Regulatory information

U.S. federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance (40 CFR 302.4) Silver nitrate (CAS 7761-88-8)

U.S. state regulations

Massachusetts Right-to-Know Act Silver nitrate (CAS 7761-88-8)

New Jersey Worker and Community Right-to-Know Act Silver nitrate (CAS 7761-88-8)

Pennsylvania Worker and Community Right-to-Know Act Silver nitrate (CAS 7761-88-8)

Rhode Island Right-to-Know Act Silver nitrate (CAS 7761-88-8)

SECTION 16: Other information

NFPA Rating	
Health hazard	1
Fire hazard	0
Reactivity	0
Specific	OX

Disclaimer

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