

A.M.T.S. MATERIAL SAFETY DATA SHEET

REVISED
1/17/2007

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE
SSKC491

TRADE NAME
20% SILVER NITRATE
PRODUCT DESCRIPTION
FROM MODIFIED BIELSCHOWSKY'S STAIN KIT

SUPPLIER: AMERICAN MASTER*TECH SCIENTIFIC, INC.
P.O. BOX 2539
LODI, CA 95241-2539
(209) 368-4031

IN CASE OF EMERGENCY CONTACT INFOTRAC: 800-535-5053 (24 HOURS)

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>CAS #</u>	<u>OSHA PELTW</u>	<u>OSHA STEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
WATER	7732-18-5	N/E	N/E	N/E	N/E
SILVER NITRATE	7761-88-8	.01 mg/M3	N/E	.01 mg/M3	N/E

N/E = EXPOSURE LIMITS ARE NOT ESTABLISHED
C = THRESHOLD LEVEL VALUE, CEILING
PNOC = PARTICULATES NOT OTHERWISE CLASSIFIED

N/A = NOT AVAILABLE
ND = NUISANCE DUSTS
RD = RESPIRABLE DUSTS

A = ACTION LEVEL
S = SKIN CONTACT

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE / ODOR**

Colorless transparent liquid; odorless.

SPECIFIC GRAVITY

1

SOLUBILITY IN WATER

Soluble

VAPOR DENSITY

N/A

VAPOR PRESSURE

N/A

EVAPORATION RATE

N/A

MELTING POINT

N/A

BOILING POINT

100° C

FLASH POINT

Aqueous Solution

AUTO-IGNITION TEMP

Aqueous Solution

LOWER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

UPPER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

SECTION 4: FIRE AND EXPLOSION INFORMATION**WATER SPRAY**

YES

CARBON DIOXIDE

YES

FOAM, ALCOHOL / CHEMICAL

CHEMICAL

DRY CHEMICAL

YES

OTHER

N/A

SPECIAL FIRE FIGHTING PROCEDURES

Wear appropriate personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) with full faceplate.

UNUSUAL FIRE / EXPLOSION HAZARDS

Under fire conditions this material can decompose and emit toxic nitrogen oxide vapors.

SECTION 5: REACTIVITY AND STABILITY DATA**STABILITY**

Stable

INCOMPATIBLE MATERIALS

Oxidizers, alkalis, antimony salts, arsenites, carbonates and phosphates.

HAZARDOUS DECOMPOSITION PRODUCTS

Nitrogen oxides.

HAZARDOUS POLYMERIZATION

Not reported.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID

None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES AND DISPOSAL CONSIDERATIONS:**SPILL RESPONSE PROCEDURES**

Use appropriate personal protection equipment and follow standard laboratory safety procedures for cleanup. Wipe up spill or absorb using a dry inert material and place waste in a suitable container for disposal. Clean spill area with soap and water.

WASTE DISPOSAL PROCEDURE

Dispose all waste in accordance with local, state, and federal regulations.

SECTION 7: HAZARDS IDENTIFICATION:**SYMPTOMS OF ACUTE OVEREXPOSURE****INHALATION**

Not an expected route of exposure.

CONTACT WITH EYES

May irritate eyes, with inflammation, stinging, watering.

CONTACT WITH SKIN

May irritate skin, with inflammation, drying, itching.

INGESTION

May irritate gastrointestinal system, with nausea, vomiting, diarrhea.

SYMPTOMS AND HEALTH EFFECTS OF CHRONIC EXPOSURE**INHALATION**

Unknown.

EYE CONTACT

May result in corneal damage or blindness.

SKIN CONTACT

Skin contact may produce inflammation and blistering.

INGESTION

Unknown.

FIRST AID MEASURES:**EYE CONTACT**

Remove contact lenses if worn and flush eyes with copious amounts of water or buffered saline eye wash solution. Get medical attention.

SKIN CONTACT

Remove contaminated clothing and wash contact area thoroughly with mild soap and plenty of water. Get medical attention if irritation develops.

INHALATION

Remove person to fresh air, keep at rest, and treat symptomatically. Get medical attention if symptoms worsen.

INGESTION

Get immediate medical attention.

SECTION 7: HAZARDS IDENTIFICATION, continued

CARCINOGENICITY

NTP
Not listed.

IARC
Not listed.

OSHA
Not listed.

CALIFORNIA PROPOSITION 65 WARNINGS
Not listed.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

MEDICAL CONDITIONS AGGRAVATED BY PROLONGED EXPOSURE
Unknown.

SECTION 8: HANDLING INFORMATION / EXPOSURE CONTROLS

HMIS HAZARD CODES

HEALTH HAZARD

2 Low: Avoid contact. High exposure may result in injury.

FIRE HAZARD

0 Non-Flammable: No significant risk of fire or explosion.

REACTIVITY

0 Non-Reactive: Will not react with water or most inert chemicals.

EQUIPMENT

B Wear chemical apron, gloves, and splash goggles in addition to all standard laboratory safety equipment.

VENTILATION
Local Dilution Exhaust

PERSONAL HYGIENE
SSKC491

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A.M.T.S. MATERIAL SAFETY DATA SHEET

REVISED
1/17/2007

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE
SSKC492

TRADE NAME
5% SODIUM THIOSULFATE
PRODUCT DESCRIPTION
FROM MODIFIED BIELSCHOWSKY'S STAIN KIT

SUPPLIER: AMERICAN MASTER*TECH SCIENTIFIC, INC.
P.O. BOX 2539
LODI, CA 95241-2539
(209) 368-4031

IN CASE OF EMERGENCY CONTACT INFOTRAC: 800-535-5053 (24 HOURS)

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>CAS #</u>	<u>OSHA PELTW</u>	<u>OSHA STEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
WATER	7732-18-5	N/E	N/E	N/E	N/E
SODIUM THIOSULFATE, ANHYDROUS	7772-98-7	N/E	N/E	N/E	N/E
THYMOL	89-83-8	N/E	N/E	N/E	N/E

N/E = EXPOSURE LIMITS ARE NOT ESTABLISHED
C = THRESHOLD LEVEL VALUE, CEILING
PNOC = PARTICULATES NOT OTHERWISE CLASSIFIED

N/A = NOT AVAILABLE
ND = NUISANCE DUSTS
RD = RESPIRABLE DUSTS

A = ACTION LEVEL
S = SKIN CONTACT

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE / ODOR**

Colorless transparent liquid; characteristic odor.

SPECIFIC GRAVITY

1

SOLUBILITY IN WATER

Soluble

VAPOR DENSITY

N/A

VAPOR PRESSURE

N/A

EVAPORATION RATE

N/A

MELTING POINT

N/A

BOILING POINT

Approx. 100° C

FLASH POINT

Aqueous Solution

AUTO-IGNITION TEMP

Aqueous Solution

LOWER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

UPPER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

SECTION 4: FIRE AND EXPLOSION INFORMATION**WATER SPRAY**

YES

CARBON DIOXIDE

YES

FOAM, ALCOHOL / CHEMICAL

CHEMICAL

DRY CHEMICAL

YES

OTHER

N/A

SPECIAL FIRE FIGHTING PROCEDURES

Wear all appropriate personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) with full faceplate.

UNUSUAL FIRE / EXPLOSION HAZARDS

None expected.

SECTION 5: REACTIVITY AND STABILITY DATA**STABILITY**

Stable

INCOMPATIBLE MATERIALS

Not available.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides.

HAZARDOUS POLYMERIZATION

Not reported.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID

None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES AND DISPOSAL CONSIDERATIONS:**SPILL RESPONSE PROCEDURES**

Use appropriate personal protection equipment and follow standard laboratory safety procedures for cleanup. Wipe up spill or absorb using a dry inert material and place waste in an appropriate container. Clean spill area with soap and water.

WASTE DISPOSAL PROCEDURE

Dispose all waste in accordance with local, state, and federal regulations.

SECTION 7: HAZARDS IDENTIFICATION:**SYMPTOMS OF ACUTE OVEREXPOSURE****INHALATION**

Not an expected route of exposure.

CONTACT WITH EYES

May irritate eyes, with itching, stinging, burning, inflammation.

CONTACT WITH SKIN

May irritate skin, with itching, drying, stinging, inflammation.

INGESTION

May irritate gastrointestinal system, with nausea, vomiting, diarrhea.

SYMPTOMS AND HEALTH EFFECTS OF CHRONIC EXPOSURE**INHALATION**

Unknown.

EYE CONTACT

Unknown.

SKIN CONTACT

Unknown.

INGESTION

Unknown.

FIRST AID MEASURES:**EYE CONTACT**

Remove contact lenses if worn and flush eyes with copious amounts of water or buffered saline eye wash solution. Get immediate medical attention.

SKIN CONTACT

Remove contaminated clothing and wash contact area thoroughly with mild soap and plenty of water. Get medical attention if irritation develops.

INHALATION

Remove person to fresh air, keep at rest, and treat symptomatically. Get medical attention if symptoms worsen.

INGESTION

Get immediate medical attention.

SECTION 7: HAZARDS IDENTIFICATION, continued

CARCINOGENICITY

NTP
Not listed.

IARC
Not listed.

OSHA
Not listed.

CALIFORNIA PROPOSITION 65 WARNINGS
Not listed.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

MEDICAL CONDITIONS AGGRAVATED BY PROLONGED EXPOSURE
Unknown.

SECTION 8: HANDLING INFORMATION / EXPOSURE CONTROLS

HMIS HAZARD CODES

HEALTH HAZARD

1 Minimal: Use standard safety procedures.

FIRE HAZARD

0 Non-Flammable: No significant risk of fire or explosion.

REACTIVITY

0 Non-Reactive: Will not react with water or most inert chemicals.

EQUIPMENT

A Use standard laboratory safety equipment.

VENTILATION
Local Dilution Exhaust

PERSONAL HYGIENE
SSKC492

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A.M.T.S. MATERIAL SAFETY DATA SHEET

REVISED
1/17/2007

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE
SSKC493

TRADE NAME
STOCK DEVELOPER SOLUTION "A"
PRODUCT DESCRIPTION
FROM MODIFIED BIELSCHOWSKY'S STAIN KIT

SUPPLIER: AMERICAN MASTER*TECH SCIENTIFIC, INC.
P.O. BOX 2539
LODI, CA 95241-2539
(209) 368-4031

IN CASE OF EMERGENCY CONTACT INFOTRAC: 800-535-5053 (24 HOURS)

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>CAS #</u>	<u>OSHA PELTW</u>	<u>OSHA STEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
WATER	7732-18-5	N/E	N/E	N/E	N/E
FORMALDEHYDE	50-00-0	0.5 PPM-A	2.0 PPM	0.3 PPM-C	N/E
METHANOL	67-56-1	200 PPM	200 PPM	200 PPM	250 PPM-S

N/E = EXPOSURE LIMITS ARE NOT ESTABLISHED
C = THRESHOLD LEVEL VALUE, CEILING
PNOC = PARTICULATES NOT OTHERWISE CLASSIFIED

N/A = NOT AVAILABLE
ND = NUISANCE DUSTS
RD = RESPIRABLE DUSTS

A = ACTION LEVEL
S = SKIN CONTACT

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE / ODOR**

Colorless transparent liquid; characteristic odor.

SPECIFIC GRAVITY

1

SOLUBILITY IN WATER

Soluble

VAPOR DENSITY

N/A

VAPOR PRESSURE

N/A

EVAPORATION RATE

N/A

MELTING POINT

N/A

BOILING POINT

Approx. 100° C

FLASH POINT

Aqueous Solution

AUTO-IGNITION TEMP

Aqueous Solution

LOWER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

UPPER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

SECTION 4: FIRE AND EXPLOSION INFORMATION**WATER SPRAY**

YES

CARBON DIOXIDE

NO

FOAM, ALCOHOL / CHEMICAL

CHEMICAL

DRY CHEMICAL

YES

OTHER

N/A

SPECIAL FIRE FIGHTING PROCEDURES

Wear all appropriate personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) with full faceplate.

UNUSUAL FIRE / EXPLOSION HAZARDS

Under fire conditions, this material emits acrid smoke and irritating fumes.

SECTION 5: REACTIVITY AND STABILITY DATA**STABILITY**

Stable

INCOMPATIBLE MATERIALS

Slightly reactive to reactive with oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides.

HAZARDOUS POLYMERIZATION

Not reported.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID

None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES AND DISPOSAL CONSIDERATIONS:**SPILL RESPONSE PROCEDURES**

Wear chemical resistant clothing, gloves, and eye protection. Wear a NIOSH/MSHA approved breathing apparatus. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up spill or absorb using a dry inert material and place waste in a suitable container. Clean spill area with soap and water.

WASTE DISPOSAL PROCEDURE

Dispose all waste in accordance with local, state, and federal regulations.

SECTION 7: HAZARDS IDENTIFICATION:**SYMPTOMS OF ACUTE OVEREXPOSURE****INHALATION**

May cause irritation of the respiratory tract accompanied by coughing and nasal congestion.

CONTACT WITH EYES

May cause inflammation of the eye, characterized by redness, watering and itching.

CONTACT WITH SKIN

May cause inflammation characterized by itching, scaling, inflammation or blistering.

INGESTION

May cause severe abdominal discomfort accompanied by nausea, vomiting, diarrhea.

SYMPTOMS AND HEALTH EFFECTS OF CHRONIC EXPOSURE**INHALATION**

Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation.

EYE CONTACT

Prolonged exposure will result in blindness.

SKIN CONTACT

Possible reproductive disorders from prolonged skin absorption.

INGESTION

Unknown.

FIRST AID MEASURES:**EYE CONTACT**

Remove contact lenses if worn and flush eyes with copious amounts of water or buffered saline eye wash solution. Get immediate medical attention.

SKIN CONTACT

Remove contaminated clothing and wash contact area thoroughly with mild soap and plenty of water. Get medical attention if irritation develops.

INHALATION

Remove person to fresh air, keep at rest, and treat symptomatically. Get medical attention if symptoms worsen.

INGESTION

Do not induce vomiting!
Get immediate medical attention.

SECTION 7: HAZARDS IDENTIFICATION, continued

CARCINOGENICITY

NTP

2 (Reasonably anticipated) [Formaldehyde]

IARC

2A (Probable for human) [Formaldehyde]

OSHA

+ (PROVEN) [Formaldehyde]

CALIFORNIA PROPOSITION 65 WARNINGS

This product contains Formaldehyde, which the State of California has found to cause cancer.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

MEDICAL CONDITIONS AGGRAVATED BY PROLONGED EXPOSURE

Preexisting respiratory and skin disorders may be aggravated by exposure.

SECTION 8: HANDLING INFORMATION / EXPOSURE CONTROLS

HMIS HAZARD CODES

HEALTH HAZARD

3 High: Avoid all contact. Small exposure may result in injury.

FIRE HAZARD

0 Non-Flammable: No significant risk of fire or explosion.

REACTIVITY

0 Non-Reactive: Will not react with water or most inert chemicals.

EQUIPMENT

H Use formaldehyde rated respirator, chemical goggles, apron, and gloves in addition to all standard laboratory safety equipment.

VENTILATION

Mechanical Exhaust

PERSONAL HYGIENE

SSKC493

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A.M.T.S. MATERIAL SAFETY DATA SHEET

REVISED
1/17/2007

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE
SSKC494

TRADE NAME
STOCK DEVELOPER SOLUTION "B"
PRODUCT DESCRIPTION
FROM MODIFIED BIELSCHOWSKY'S STAIN KIT

SUPPLIER: AMERICAN MASTER*TECH SCIENTIFIC, INC.
P.O. BOX 2539
LODI, CA 95241-2539
(209) 368-4031

IN CASE OF EMERGENCY CONTACT INFOTRAC: 800-535-5053 (24 HOURS)

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>CAS #</u>	<u>OSHA PELTW</u>	<u>OSHA STEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
WATER	7732-18-5	N/E	N/E	N/E	N/E
CITRIC ACID	77-92-9	N/E	N/E	N/E	N/E

N/E = EXPOSURE LIMITS ARE NOT ESTABLISHED
C = THRESHOLD LEVEL VALUE, CEILING
PNO = PARTICULATES NOT OTHERWISE CLASSIFIED

N/A = NOT AVAILABLE
ND = NUISANCE DUSTS
RD = RESPIRABLE DUSTS

A = ACTION LEVEL
S = SKIN CONTACT

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE / ODOR**

Colorless transparent liquid; odorless.

SPECIFIC GRAVITY

1

SOLUBILITY IN WATER

Soluble

VAPOR DENSITY

N/A

VAPOR PRESSURE

N/A

EVAPORATION RATE

N/A

MELTING POINT

N/A

BOILING POINT

Approx. 100° C

FLASH POINT

Aqueous Solution

AUTO-IGNITION TEMP

Aqueous Solution

LOWER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

UPPER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

SECTION 4: FIRE AND EXPLOSION INFORMATION**WATER SPRAY**

YES

CARBON DIOXIDE

YES

FOAM, ALCOHOL / CHEMICAL

CHEMICAL

DRY CHEMICAL

YES

OTHER

N/A

SPECIAL FIRE FIGHTING PROCEDURES

Wear all appropriate personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) with full faceplate.

UNUSUAL FIRE / EXPLOSION HAZARDS

None expected.

SECTION 5: REACTIVITY AND STABILITY DATA**STABILITY**

Stable

INCOMPATIBLE MATERIALS

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides.

HAZARDOUS POLYMERIZATION

Will not occur.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID

None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES AND DISPOSAL CONSIDERATIONS:**SPILL RESPONSE PROCEDURES**

Use appropriate personal protection equipment and follow standard laboratory safety procedures for cleanup. Wipe up or absorb spill using a dry inert material and place waste in a suitable container for disposal. Clean spill area with soap and water.

WASTE DISPOSAL PROCEDURE

Dispose all waste in accordance with local, state, and federal regulations.

SECTION 7: HAZARDS IDENTIFICATION:**SYMPTOMS OF ACUTE OVEREXPOSURE****INHALATION**

Not an expected route of exposure.

CONTACT WITH EYES

May irritate eyes, with stinging, excessive tearing, redness, and discomfort.

CONTACT WITH SKIN

May irritate skin, with itching or redness.

INGESTION

Ingesting a small amount of this material is not expected to cause adverse effects. Ingesting a large amount of this material may cause gastrointestinal discomfort, with nausea, vomiting, diarrhea.

SYMPTOMS AND HEALTH EFFECTS OF CHRONIC EXPOSURE**INHALATION**

Unknown.

EYE CONTACT

Unknown.

SKIN CONTACT

Unknown.

INGESTION

Unknown.

FIRST AID MEASURES:**EYE CONTACT**

Remove contact lenses if worn and flush eyes with copious amounts of water or buffered saline eye wash solution. Get medical attention if symptoms of eye irritation develop.

SKIN CONTACT

Remove contaminated clothing and wash contact area thoroughly with mild soap and plenty of water. Get medical attention if skin irritation develops.

INHALATION

Remove person to fresh air, keep at rest, and treat symptomatically. Get medical attention if symptoms worsen.

INGESTION

Get immediate medical attention.

SECTION 7: HAZARDS IDENTIFICATION, continued

CARCINOGENICITY

NTP
Not listed.

IARC
Not listed.

OSHA
Not listed.

CALIFORNIA PROPOSITION 65 WARNINGS
Not listed.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

MEDICAL CONDITIONS AGGRAVATED BY PROLONGED EXPOSURE
N/A

SECTION 8: HANDLING INFORMATION / EXPOSURE CONTROLS

HMIS HAZARD CODES

HEALTH HAZARD

1 Minimal: Use standard safety procedures.

FIRE HAZARD

0 Non-Flammable: No significant risk of fire or explosion.

REACTIVITY

0 Non-Reactive: Will not react with water or most inert chemicals.

EQUIPMENT

A Use standard laboratory safety equipment.

VENTILATION
Local Dilution Exhaust

PERSONAL HYGIENE
SSKC494

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A.M.T.S. MATERIAL SAFETY DATA SHEET

REVISED
1/17/2007

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE
SSKC495

TRADE NAME
STOCK DEVELOPER SOLUTION "C"
PRODUCT DESCRIPTION
FOR MODIFIED BIELSCHOWSKY'S STAIN KIT

SUPPLIER: AMERICAN MASTER*TECH SCIENTIFIC, INC.
P.O. BOX 2539
LODI, CA 95241-2539
(209) 368-4031

IN CASE OF EMERGENCY CONTACT INFOTRAC: 800-535-5053 (24 HOURS)

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>CAS #</u>	<u>OSHA PELTW</u>	<u>OSHA STEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
WATER	7732-18-5	N/E	N/E	N/E	N/E
NITRIC ACID, FUMING	7697-37-2	2 mg/M3 4 ppm	N/A	N/A	2 mg/M3 4 ppm

N/E = EXPOSURE LIMITS ARE NOT ESTABLISHED
C = THRESHOLD LEVEL VALUE, CEILING
PNOC = PARTICULATES NOT OTHERWISE CLASSIFIED

N/A = NOT AVAILABLE
ND = NUISANCE DUSTS
RD = RESPIRABLE DUSTS

A = ACTION LEVEL
S = SKIN CONTACT

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE / ODOR**

Colorless transparent liquid; odorless.

SPECIFIC GRAVITY

1

SOLUBILITY IN WATER

Soluble

VAPOR DENSITY

N/A

VAPOR PRESSURE

N/A

EVAPORATION RATE

N/A

MELTING POINT

N/A

BOILING POINT

Approx. 100° C

FLASH POINT

Aqueous Solution

AUTO-IGNITION TEMP

Aqueous Solution

LOWER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

UPPER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

SECTION 4: FIRE AND EXPLOSION INFORMATION**WATER SPRAY**

YES

CARBON DIOXIDE

YES

FOAM, ALCOHOL / CHEMICAL

CHEMICAL

DRY CHEMICAL

NO

OTHER

N/A

SPECIAL FIRE FIGHTING PROCEDURES

Wear all appropriate personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) with a full faceplate.

UNUSUAL FIRE / EXPLOSION HAZARDS

None expected.

SECTION 5: REACTIVITY AND STABILITY DATA**STABILITY**

Stable

INCOMPATIBLE MATERIALS

Reactive with alkalis, reducing agents, combustible materials, organic materials, metals, acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Not available.

HAZARDOUS POLYMERIZATION

Will not occur.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID

None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES AND DISPOSAL CONSIDERATIONS:**SPILL RESPONSE PROCEDURES**

Use appropriate personal protection equipment and follow standard laboratory safety procedures for cleanup. Wipe up or absorb spill using a dry inert material and place waste in a suitable container for disposal. Clean spill area with soap and water.

WASTE DISPOSAL PROCEDURE

Dispose of all waste in accordance with local, state, and federal regulations.

SECTION 7: HAZARDS IDENTIFICATION:**SYMPTOMS OF ACUTE OVEREXPOSURE****INHALATION**

May irritate mucous membranes of the respiratory tract.

CONTACT WITH EYES

May irritate eyes, with redness, watering, itching.

CONTACT WITH SKIN

May irritate skin, with stinging, itching, redness.

INGESTION

May irritate gastrointestinal tract, with nausea, vomiting, diarrhea.

SYMPTOMS AND HEALTH EFFECTS OF CHRONIC EXPOSURE**INHALATION**

Unknown.

EYE CONTACT

Unknown.

SKIN CONTACT

Unknown.

INGESTION

Unknown.

FIRST AID MEASURES:**EYE CONTACT**

Remove contact lenses, if worn, and flush eyes with copious amounts of water or buffered saline eye wash solution. Get immediate medical attention.

SKIN CONTACT

Remove contaminated clothing and wash affected area thoroughly with mild soap and water. Get medical attention if symptoms develop.

INHALATION

Remove person to fresh air, keep at rest, and treat symptomatically. Get medical attention if symptoms worsen.

INGESTION

Get immediate medical attention.

SECTION 7: HAZARDS IDENTIFICATION, continued

CARCINOGENICITY

NTP
Not listed.

IARC
Not listed.

OSHA
Not listed.

CALIFORNIA PROPOSITION 65 WARNINGS
Not listed.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

MEDICAL CONDITIONS AGGRAVATED BY PROLONGED EXPOSURE
Unknown

SECTION 8: HANDLING INFORMATION / EXPOSURE CONTROLS

HMIS HAZARD CODES

HEALTH HAZARD

2 Low: Avoid contact. High exposure may result in injury.

FIRE HAZARD

0 Non-Flammable: No significant risk of fire or explosion.

REACTIVITY

0 Non-Reactive: Will not react with water or most inert chemicals.

EQUIPMENT

A Use standard laboratory safety equipment.

VENTILATION
Local Dilution Exhaust

PERSONAL HYGIENE
SSKC495

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