

IMPERIAL SUPPLIES LLC MSDS SHEET FOR 3894 & 3895  
Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name ABC Dry Chemical Fire Extinguishant  
Synonym Multi-purpose Dry Chemical  
(CH550,CH555)  
Manufacturer AMEREX CORPORATION  
Internet Address www.amerex-fire.com  
Address 7595 Gadsden Highway  
P.O. Box 81  
Trussville, AL 35173-0081  
Telephone 205-655-3271  
Emergency Contacts Chemtrec 1-800-424-9300 or  
703-527-3887  
Revised 09/2008

Section 2. Hazard identification and emergency overview

Emergency Overview: Light Yellow, fine solid powder, odorless.  
Adverse health effects and symptoms: Irritating to the respiratory system,  
eyes and skin. Symptoms may include coughing, shortness of breath, and  
irritation of the lungs, eyes and skin. Ingestion, although unlikely, may  
cause cramps, nausea and diarrhea.

Exposure Guidelines :

Ingredients	OSHA PEL	ACGIH TLV	DFG MAK *
Mono-ammonium	PNOC**	PNOC	PNOC
	Total Dust, 15mg/m3	Total Dust, 10mg/m3	Total Dust, 4mg/m3
	Respirable fraction, 5mg/m3	Respirable fraction, 3mg/m3	Respirable fraction, 1.5mg/m3
Ammonium Sulphate	PNOC	PNOC	PNOC
	Total Dust, 15mg/m3	Total Dust, 10mg/m3	Total Dust, 4mg/m3
	Respirable fraction, 5mg/m3	Respirable fraction, 3mg/m3	Respirable fraction, 1.5mg/m3
Mica	6 Mg/m3	3 mg/m3	NR
Attapulgate Clay	PNOC	PNOC	PNOC
	Total Dust, 15mg/m3	Total Dust, 10mg/m3	Total Dust, 4mg/m3
	Respirable fraction, 5mg/m3	Respirable fraction, 3mg/m3	Respirable fraction, 1.5mg/m3
Silicone Oil	NR***	NR	NR
Calcium carbonate	PNOC	PNOC	-----
	Total Dust, 15mg/m3	Total dust, 10mg/m3	
	Respirable fraction, 5mg/m3	Respirable fraction, 3mg/m3	
Amorphous Silica	143mg/m3	10mg/m3	4mg/m3
	Or		
	80mg/m3/% SiO2		
Yellow 14 pigment	NR	NR	NR

\* German regulatory limits,

\*\* PNOC= Particulates not otherwise classified (ACGIH) also known as  
Particulates not otherwise regulated (OSHA)

\*\*\* NR= Not Regulated. All values are 8 hour time weighted average  
concentrations.

Hazard symbols: WHMIS (Canadian Workplace hazardous materials identification.)  
D2B: Product may irritate eyes, skin, or mucous membranes.

Section 3. Composition/information on ingredients

Name/ Compound	Weight percent	CAS #
Mono-ammonium phosphate	>94	7722-76-1
and ammonium sulphate		7783-20-2
Attapulgate clay	<3	12174-11-7
magnesium aluminum silicate		
Mica	1-2	12001-26-2
Potassium Aluminum Silicate		
Silicone oil	<1	63148-57-2
Methyl hydrogen polysiloxane		
Calcium Carbonate	<1	1317-65-3
Amorphous Silica	<1	112926-00-8
Precipitated synthetic zeolite		
Yellow 14 pigment-di azo	<1	5468-75-7

dye

#### Section 4 First Aid Measures

Eye exposure

Irrigate eyes with water and repeat until pain free. Seek medical attention if irritation develops or if vision changes occur.

Skin Exposure

In case of contact, wash with plenty of soap and water. Seek medical attention if irritation develops.

Inhalation

If respiratory irritation or distress occurs remove victim to fresh air. Seek Medical attention if irritation persists.

Ingestion

If victim is conscious and alert give 2-3 glasses of water to drink and do not induce vomiting. See immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on the side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Medical conditions possibly aggravated by exposure: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema, or bronchitis. Skin contact may aggravate existing skin disease. Chronic overexposure may cause pneumoconiosis ("dusty lung" disease).

#### Section 5. Fire fighting measures.

Extinguishing media

Non combustible and non flammable-product is an extinguishing agent.

Unusual fire/explosion hazards

In a fire this material may decompose, releasing oxides to sulfur and carbon ( See section 10)

Insensitive to mechanical impact or static discharge.

HMIS Hazard Ranking :

Health =1

Flammability =0

Reactivity = 0

Personal protective equipment: 1 mask  
APR w/ HEPA  
cartridges (see  
section 8).

#### Section 6. Accidental release measures

Clean up released material using vacuum or wet sweep and shovel to minimize generation of dust. Wear appropriate respiratory protection. Bag and drum for disposal. If product is used and/or contaminated, use PPE and containment appropriate to the nature of the mixture. Prevent material from entering waterways.

#### Section 7. Handling and storage.

Avoid skin, eye, or respiratory exposure. Use appropriate PPE when handling or maintaining equipment, and wash thoroughly after handling (see Section 8). Keep product in original container or extinguisher. Contents may be under pressure-inspect for extinguisher rust periodically to insure container integrity. Do not mix with other extinguishing agents.

#### Section 8. Exposure controls/personal protection.

During the application of this product against fires, exhaust gases and the products of incomplete combustion (PICs) are the principal respiratory hazards. In the manufacture of extinguishers automated systems and the point source ventilation controls sufficiently minimize respiratory exposure. Employers and employees must use their collective judgment in determining occupational settings where the use of a dust mask or air purifying respirator is prudent. The need for respiratory protection is not likely for short term use in well ventilated areas.

Respiratory Protection

Use N95 dust mask or air purifying respirator (APR) with high efficiency particulate air (HEPA) filters.

Eye Protection

Wear chemical goggles

Skin Protection

Use nitrile, latex, or similar gloves and coveralls. Good personal hygiene practices essential, such as avoiding food, tobacco products, or other hand to mouth contact while handling. Wash thoroughly after handling.

#### Section 9. Physical and Chemical properties

Appearance:

Yellow powder, finely divided odorless

Specific Gravity: solid.  
~.88 in aerated condition  
Solubility: Product is coated- not immediately  
soluble in water

Non Flammable  
Flash Point  
Vapor Pressure: None  
pH: < 1 mm Hg  
Boiling point: Approximately 4-5  
No explosive or oxidizing properties. Not applicable

#### Section 10. Stability and reactivity

Stability: Stable  
Incompatibles: Strong alkalis (bases), magnesium,  
strong oxidizers such as calcium  
hypochlorite (pool chlorine) and  
isocyanuric acids.  
Decomposition products: Heat of fire may release carbon  
monoxide, carbon dioxide, and sulfur  
dioxide. Oxides of phosphorous and  
ammonia reported.  
Possibility of hazardous reactions: Slight. See incompatibilities above.

#### Section 11. Toxicological Information

Acute Toxicity:

Mono ammonium phosphate LD50 (rat) : >  
1000mg/kg body weight. Target organs  
in man: Respiratory system, eyes,  
skin. This product is an irritant to  
epithelial tissue, and may aggravate  
dermatitis. No information was found  
indicating the product causes  
sensitization.

Chronic Toxicity: Pneumoconiosis, or "dusty lung"  
disease, may result from chronic  
exposure to any dust.

Reproductive Toxicity: This product's ingredients are not  
known to have reproductive or  
teratogenic effects.

#### Section 12. Ecological Information

Ecotoxicity:

Negative effects unknown. Provides  
nutrient nitrogen and phosphorus to  
plant life.

Persistence/ Degradability: Degrades rapidly in humid/wet  
environment.

Bioaccumulation: Extent unknown.

Mobility in soil: Slow evaporation rate; water soluble,  
may leach to groundwater.

#### Section 13. Disposal considerations.

This product is not a RCRA characteristically hazardous or listed hazardous  
waste. Dispose of according to state or local laws, which may be more  
restrictive than federal laws or regulations. Used product may be altered or  
contaminated, creating different disposal considerations.

#### Section 14. Transportation Information.

This product is not a hazardous material under U.S Department of  
Transportation (DOT) 49 CFR 172, and is not regulated by the DOT or Transport  
Canada "Transportation of Dangerous Goods" regulations.

#### Section 15. Regulatory Information.

##### Internal Inventory Status:

All Ingredients are in the following inventories:

Country(ies)	Agency	Status
United States of America	TSCA	Yes
Canada	DSL	Yes
Europe	EINECS/ELINCS	Yes
Australia	ACIS	Yes
Japan	MITI	Yes
South Korea	KECL	Yes

##### European Risk and safety phrases:

Eu Classification	Harmful
R phrases	22 36/37/38

Harmful if swallowed  
Irritating to eyes,  
respiratory system and  
skin.

S Phrases	26	In case of contact with
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eyes, rinse immediately  
with plenty of water and  
seek medical advice.  
Wear suitable protective  
clothing.

36

Components:

Mono Ammonium phosphate:

EU Classification

R Phrases

Harmful

22

33/37/38

Harmful if swallowed.  
Irritating to eyes,  
respiratory system, and  
skin.

S Phrases

26

In case of contact with  
eyes, rinse immediately  
with plenty of water and  
seek medical advice.  
Wear Suitable clothing.

36

Ammonium Sulfate:

EU Classification

R Phrases

Irritant

22

36/37/38

Harmful if swallowed.  
Irritating to eyes,  
respiratory system, and  
skin.

S phrases

26

In case of contact with  
eyes, rinse immediately  
with plenty of water and  
seek medical advice.  
Wear suitable clothing.

36

U.S. Federal Regulatory Information: None of the chemicals in this product are  
under SARA reporting or have SARA threshold planning quantities (TPQs) or  
CERCLA reportable requirements (RQs) or are regulated under TSCA 8(d).  
State Regulatory Information: Chemicals in the product are covered under  
specific State regulations, as denoted below:

Alaska

Designated Toxic and Hazardous  
Substances : None

California

Permissible Exposure Limits for  
chemical contaminants: None

Florida

Substance List: Mica dust, Ammonium  
Sulfate

Illinois

Toxic Substance list: None

Kansas

Section 302/303 list: None

Massachusetts

Substance List: Mica dust, Ammonium  
Sulfate

Minnesota

List of Hazardous substances: None

Missouri

Employer information/ Toxic Substance  
list: None

New Jersey

Right to know Hazardous substance  
List: None

North Dakota

List of Hazardous Chemicals,  
Reportable Quantities: None

Pennsylvania

Hazardous Substance List: None

Rhode Island

Hazardous Substance List: Mica Dust,  
Ammonium Sulfate

Texas

Hazardous Substance List: No

West Virginia

Hazardous Substance List: None

Wisconsin

Toxic and Hazardous Substances: None

California Proposition 65: No Component is listed on the California  
Proposition 65 List.

Section 16. Shipping information

When Shipped in a stored pressure type fire extinguisher, and pressurized with  
a non- flammable, non toxic inert expellant gas, the fire extinguisher is  
considered a hazardous material by the US Department of Transportation and  
Transport Canada. The proper shipping name shall be FIRE EXTINGUISHER and the  
UN designation is UN 1044. The DOT hazard class/division is 2.2 Non-flammable  
Gas. Packing Group- N/A

Section 17. Other information

This MSDS conforms to requirements under U.S., U.K., Canadian, Australian, and  
EU regulations or standards, and conforms to the proposed 2003 ANSI Z400.1  
format.

The information herein is given in good faith but no warranty, expressed or  
implied, is made. Updated by Lindsay R. Hill, CIH

OF220  
Requester: ORDER 0465RS

IMPERIAL SUPPLIES LLC  
MSDS SHEET FOR 3894

PAGE: 5  
Rev Dt: 03/29/12

LightRite  
Light Restoration and Repair Coating

MATERIAL SAFETY DATA SHEET  
Section I: PRODUCT IDENTIFICATION & EMERGENCY  
INFORMATION

PRODUCT NAME & NUMBER A-1091-A AEROSOL  
HAZARDOUS ID NUMBER UN1263  
(49 CRF 172.101)  
HAZARDOUS MAT. PAINT  
DESCRIPTION  
MANUFACTURER Mi6 TECHNOLOGIES, INC.  
1915 35TH STREET  
MISSOULA, MT 59801

EMERGENCY TELEPHONE 1-800-535-5053

HAZARD RATING: 2  
TOXICITY

FIRE 3

REACTIVITY 0

SPECIAL 0

KEY: 4= SEVERE

3= SERIOUS

2= MODERATE

1= SLIGHT

0= MINIMUM

SECTION II: COMPONENTS

CAS REGISTRY NUMBER	CHEMICAL NAME	WEIGHT %	OSHA (PEL)	ACGIH (TLV)	SARA SEC. 313
13048-33-4	1, 6 Hexanediol Diacrylate	5 - 6 %	NE	NE	NL
108-88-3	Toluene	20 - 23 %	50 PPM	200 PPM	
123-86-4	Butyl Acetate	5 - 6 %	150 PPM	150 PPM	
108-65-6	PM Acetate	1 %	N/E	800 PPM	
	Proprietary photoinitiator	1 - 2 %			
67-64-1	Acetone	20 - 26 %	1000 PPM	500 PPM	
74-98-6	Propane	10 - 13 %	1000 PPM	2500 PPM	
106-97-8	N-Butane	5 - 8 %	800 PPM	800 PPM	

SECTION III: PHYSICAL DATA

BOILING POINT (DEGREES F) 230-232 DEGREES F  
PERCENT WEIGHT VOLATILE APPROX. 73 +1%  
PERCENT WEIGHT NONVOLATILE APPROX. 27+1%  
EVAPORATION RATE (BUTYL ACETATE =1) APPROX. NA  
VOLATILE ORGANIC COMPONENTS 3.5 - 5# POUNDS/GALLON  
THEORETICAL WEIGHT/GALLON 6.8 - 7.0# POUNDS/GALLON  
Ph NA  
SPECIFIC GRAVITY .7 - .8  
(WATER=1@20/20 DEG. C)  
VAPOR PRESSURE (mm Hg) NA  
VAPOR DENSITY (20 DEG. C) NA  
PERCENT SOLUBILITY (IN WATER) NA  
APPEARANCE & ODOR NA

SECTION IV: FIRE & EXPLOSION HAZARDS

FLASH POINT & METHOD ABOVE 45 DEGREES F

FLAMMABLE LIMITS:

LEL 1.4%

UEL 7.4%

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA: Carbon dioxide (CO2), Foam, extinguishing powder, in case of larger fires, water spray should be used.  
UNSUITABLE EXTINGUISHING MEDIA: High volume water jet  
Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide, In the event of fire and/or explosion do not breathe in fumes.  
Fireman must wear self-contained breathing apparatus.  
Do not allow contaminated extinguishing water to enter soil, ground-water or surface water.  
SECTION V: HEALTH INFORMATION & PROTECTION  
Take off all contaminated clothing immediately.  
Take the person into the fresh air and keep them warm, let them rest; if there is difficulty in

GENERAL ADVICE  
IF INHALED

IN CASE OF SKIN CONTACT	breathing, medical advice is required. In case of skin contact wash affected areas thoroughly with soap and plenty of water. Consult a doctor in the event of a skin reaction. Skin sensitizer.
IN CASE OF EYE CONTACT	Hold eyes open and rinse with preferable lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.
IF SWALLOWED	DO NOT induce the patient to vomit, medical advice is required.
HAZARDOUS REACTIONS	SECTION VI: REACTIVITY DATA In case of heating risk of exothermic polymerization. Strong exothermic reactions with peroxides may occur in presence of heavy metal ions.
HAZARDOUS DECOMPOSITION PRODUCTS	No hazardous decomposition products when stored and handled correctly.
PERSONAL PRECAUTIONS	SECTION VII: SPILL OR LEAK PROCEDURES Put on protective equipment. Keep away from sources of ignition. Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.
ENVIRONMENTAL PRECAUTIONS	Do not allow to escape into waterways, wastewater or soil.
METHODS FOR CLEANING UP	Take up with absorbent for chemicals or, if necessary with dry sand and store in closed containers.
STORAGE	Keep container dry and tightly closed in a cool and well ventilated place.
RESPIRATORY PROTECTION	SECTION VIII: SPECIAL PROTECTION INFORMATION Respiratory equipment required during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended. Persons who suffer from skin complaints or other hypersensitivity reactions of skin should not work with the product.
HAND PROTECTION	Suitable materials for safety gloves; EN 374-3 Polychloroprene - CR: thickness > 0,5mm; breakthrough time >480 min. Butyl rubber - IIR: thickness > 0,5mm; breakthrough time >480 min. Fluorinated rubber - FKM: thickness > 0,4mm; breakthrough time >480 min. Recommendation: contaminated gloves should be disposed of. Do not use natural rubber gloves!
EYE PROTECTION	Wear eye/face protection.
SKIN AND BODY PROTECTION	Wear suitable protective clothing. Skin sensitizer.
HYGIENE MEASURES	Keep away from foodstuffs, drinks, and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately, take off all contaminated clothing immediately.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE	SECTION IX: SPECIAL PRECAUTIONS Provide sufficient air exchange and/or exhaust in work rooms. The precautions required in the handling of solvents and irritant or corrosive substances must be taken. Explosion protection required. Avoid eye contact with skin and eyes in the inhalation of vapors.
DATE OF REVISION	SECTION X: SPECIAL NOTES The information contained herein is based on the data available to us and is believed to be correct. The supplier makes no warranty of any kind, expressed/implied, concerning the use of this product singly/in combination with other substances or assumes any liability whatsoever for the accuracy or completeness of the information contained herein. October 21, 2009