

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 Extingushant
 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/m ³	Total Dust, 10mg/m ³	Total Dust, 4mg/m ³
	Respirable fraction, 5mg/m ³	Respirable fraction, 3mg/m ³	Respirable fraction, 1.5mg/m ³
Ammonium Sulphate	PNOC	PNOC	PNOC
	Total Dust, 15mg/m ³	Total Dust, 10mg/m ³	Total Dust, 4mg/m ³
	Respirable fraction, 5mg/m ³	Respirable fraction, 3mg/m ³	Respirable fraction, 1.5mg/m ³
Mica	6 Mg/m ³	3 mg/m ³	NR
Attapulgite Clay	PNOC	PNOC	PNOC
	Total Dust, 15mg/m ³	Total Dust, 10mg/m ³	Total Dust, 4mg/m ³
	Respirable fraction, 5mg/m ³	Respirable fraction, 3mg/m ³	Respirable fraction, 1.5mg/m ³
Silicone Oil	NR***	NR	NR
Calcium carbonate	PNOC	PNOC	-----
	Total Dust, 15mg/m ³	Total dust, 10mg/m ³	
Amorphous Silica	Respirable fraction, 5mg/m ³ 143mg/m ³ Or 80mg/m ³ /% SiO ₂	Respirable fraction, 3mg/m ³ 10mg/m ³	4mg/m ³
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
Attapulgite 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: N 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:
Solubility:

Non Flammable
Flash Point
Vapor Pressure:
pH:
Boiling point:
No explosive or oxidizing properties.

Section 10. Stability and reactivity
Stability:
Incompatibles:

Decomposition products:

Possibility of hazardous reactions:

solid.
~.88 in aerated condition
Product is coated- not immediately
soluble in water

None
< 1 mm Hg
Approximately 4-5
Not applicable

Stable
Strong alkalis (bases), magnesium,
strong oxidizers such as calcium
hypochlorite (pool chlorine) and
isocyanuric acids.
Heat of fire may release carbon
monoxide, carbon dioxide, and sulfur
dioxide. Oxides of phosphorous and
ammonia reported.

Slight. See incompatibilities above.

Section 11. Toxicological Information
Acute Toxicity:

Chronic Toxicity:

Reproductive 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.

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

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

Section 12. Ecological Information
Ecotoxicity:

Persistence/ Degradability:

Bioaccumulation:
Mobility in soil:

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

Degrades rapidly in humid/wet
environment.

Extent unknown.

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
R phrases
22
36/37/38

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

In case of contact with

S Phrases

26

36

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

Components:

Mono Ammonium phosphate:

EU Classification

Harmful

R Phrases

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.

Ammonium Sulfate:

EU Classification

Irritant

R Phrases

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.

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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

OP220
Requester: ORDER 0465RS

IMPERIAL SUPPLIES LLC
MSDS SHEET FOR 3894

PAGE: 5
Rev Dt: 03/29/12

LightRite
Light Restoration and Repair CoatingMATERIAL SAFETY DATA SHEET
Section I: PRODUCT IDENTIFICATION & EMERGENCY
INFORMATIONPRODUCT NAME & NUMBER A-1091-A AEROSOL
HAZARDOUS ID NUMBER UN1263(49 CFR 172.101)
HAZARDOUS MAT.DESCRIPTION
MANUFACTURERPAINT
Mi6 TECHNOLOGIES, INC.
1915 35TH STREETEMERGENCY TELEPHONE 1-800-535-5053
HAZARD RATING: 2TOXICITY
FIRE 3
REACTIVITY 0
SPECIAL 0KEY: 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)

ACETATE =1)

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)

NA

VAPOR PRESSURE (mm Hg)

NA

VAPOR DENSITY (20 DEG. C)

NA

PERCENT SOLUBILITY (IN

NA

WATER)

NA

APPEARANCE & ODOR

NA

FLASH POINT & METHOD

SECTION IV: FIRE & EXPLOSION HAZARDS

FLAMMABLE LIMITS:

ABOVE 45 DEGRESS F

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 jetBurning 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.

GENERAL ADVICE
IF INHALED

SECTION V: HEATLH 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

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.
DO NOT induce the patient to vomit, medical advice is required.

IF SWALLOWED

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 DEOMPOSITION 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!

Wear eye/face protection.

EYE 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.

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

DATE OF REVISION