

SDS: E3024

ITEM: 13J004 - Fire Extinguisher Dry ABC 3A:40B:C

ORDER: 0173117409

LP NUMBER: U804796916

SAFETY DATA SHEET (SDS)

This SDS should be attached or kept with the respective product with which it is associated.

SDS - E3024

Associated Items  
13J002, 13J004

AMEREX(R)  
QUALITY IS BEHIND THE DIAMOND.

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ABC DRY CHEMICAL FIRE EXTINGUISHANT

OTHER IDENTIFIERS: MULTI-PURPOSE DRY CHEMICAL

PRODUCT CODE(S): CH555, F13, F11

MODEL CODE(S) OF EXTINGUISHERS:  
402, IS 18ABC, IS35ABC, IS 45ABC, 13ABC, V25ABC, VH25ABC, V30ABC, VH30ABC,  
V50ABC, VS50ABC, VS75ABC, V250ABC

RECOMMENDED USE: FIRE SUPPRESSION, NOT FOR HUMAN OR ANIMAL DRUG USE.

MANUFACTURER: AMEREX CORPORATION

INTERNET ADDRESS: WWW.AMEREX-FIRE.COM

ADDRESS:  
7595 GADSDEN HIGHWAY  
P.O. BOX 81  
TRUSSVILLE, AL 35173-0081

COMPANY TELEPHONE: (205) 655-3271

E-MAIL ADDRESS: INFO@AMEREX-FIRE.COM

EMERGENCY CONTACTS:  
CHEMTREC: 1 (800) 424-9300 OR (703) 527-3887

REVISED: MAY, 2016

SECTION 2. HAZARDS IDENTIFICATION

GHS - CLASSIFICATION:

HEALTH	ENVIRONMENTAL	PHYSICAL
ACUTE TOXICITY: CATEGORY 5	NONE	NONE
SKIN CORROSION/IRRITATION: CATEGORY 3	NONE	NONE
SKIN SENSITIZATION: NO	NONE	NONE
EYE: CATEGORY 2B	NONE	WARNING
STOT - CATEGORY 3	NONE	WARNING
CARCINOGEN: CATEGORY NONE	NONE	NONE

GHS - LABEL SYMBOL(S): EXCLAMATION MARK

GHS - WORD(S): WARNING

OTHER HAZARDS NOT RESULTING IN CLASSIFICATION: NONE

GHS - HAZARD PHRASES:

GHS HAZARD	GHS CODES(S)	CODE PHRASE(S)
PHYSICAL	NONE	
HEALTH	H303 316 320 335	MAY BE HARMFUL IF SWALLOWED CAUSES MILD SKIN IRRITATION CAUSES EYE IRRITATION MAY CAUSE RESPIRATORY IRRITATION
ENVIRONMENTAL	NONE	

PRECAUTIONARY:

GENERAL	P101	IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL AT HAND
PREVENTION	261	AVOID BREATHING DUST
	264	WASH HANDS AND FACE THOROUGHLY AFTER HANDLING
RESPONSE	P304+340	IF INHALED, REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.
	305+351+313	IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. GET IMMEDIATE MEDICAL ADVICE/ATTENTION (AS APPROPRIATE).
	337+338	IF EYE IRRITATION PERSISTS: REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
	312	CALL A POISON CENTER/DOCTOR IF YOU FEEL UNWELL (AS APPROPRIATE).
STORAGE	NONE	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	EC NO.	REACH REG. NO.	CAS-NO.	WEIGHT %	CLASSIFICATION
MONO-AMMONIUM PHOSPHATE	NA	NA	7722-76-1	90-97	NA
FULLERS EARTH MAGNESIUM ALUMINUM SILICATE	NA	NOT AVAILABLE	8031-18-3	>3	NA
MICA- POTASSIUM ALUMINUM SILICATE	NA	NOT AVAILABLE	12001-26-2	1-2	NA
SILICONE OIL METHYL HYDROGEN POLYSILOXANE	NA	NOT AVAILABLE	63148-57-2	<1	NA
CALCIUM CARBONATE	215-279-6	NOT AVAILABLE	1317-65-3	<1	NA
AMORPHOUS SILICA PRECIPITATED SYNTHETIC ZEOLITE	262-373-8	NOT AVAILABLE	112926-00-8	<1	NA
YELLOW 14 PIGMENT - DI-AZO DYE	228-767-9	NOT AVAILABLE	5468-75-7	<1	NA

EMERGENCY OVERVIEW: LIGHT YELLOW, FINE SOLID POWDER, ODORLESS.

ADVERSE HEALTH EFFECTS AND SYMPTOMS:  
MILD IRRITANT 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.

CUT-OFF LEVELS:

CHEMICAL NAME	REPRODUCTIVE TOXICITY	CARCINOGENICITY	MUTAGENICITY	OTHER HAZARD CLASSES
MONO-AMMONIUM PHOSPHATE	NA	NA	NA	NA
FULLERS EARTH MAGNESIUM ALUMINUM SILICATE	NA	NA	NA	NA
MICA-POTASSIUM ALUMINUM SILICATE	NA	NA	NA	NA
SILICONE OIL METHYL HYDROGEN POLYSILOXANE	NA	NA	NA	NA
CALCIUM CARBONATE	NA	NA	NA	NA
AMORPHOUS SILICA PRECIPITATED SYNTHETIC ZEOLITE	NA	NA	NA	NA
YELLOW 14 PIGMENT - DI-AZO DYE	NA	NA	NA	NA

SECTION 4. FIRST AID MEASURES

EYE EXPOSURE:  
MAY CAUSE IRRITATION. IRRIGATE EYES WITH WATER AND REPEAT UNTIL PAIN FREE.  
SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS, OR IF VISION CHANGES OCCUR.

SKIN EXPOSURE:  
MAY CAUSE SKIN IRRITATION. IN CASE OF CONTACT, WASH WITH PLENTY OF SOAP AND  
WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION:  
MAY CAUSE IRRITATION, ALONG WITH COUGHING. IF RESPIRATORY IRRITATION OR  
DISTRESS OCCURS, REMOVE VICTIM TO FRESH AIR. SEEK MEDICAL ATTENTION IF  
IRRITATION PERSISTS.

INGESTION:  
OVERDOSE SYMPTOMS MAY INCLUDE NUMBNESS OR TINGLING IN HANDS OR FEET, UNEVEN  
HEART RATE, PARALYSIS, FEELING FAINT, CHEST PAIN OR HEAVY FEELING, PAIN  
SPREADING TO THE ARM OR SHOULDER, NAUSEA, DIARRHEA, SWEATING, GENERAL ILL  
FEELING, OR SEIZURE (CONVULSIONS). IF VICTIM IS CONSCIOUS AND ALERT, GIVE  
2-3 GLASSES OF WATER TO DRINK. IF CONSCIOUS, DO NOT INDUCE VOMITING. SEEK  
IMMEDIATE MEDICAL ATTENTION. DO NOT LEAVE VICTIM UNATTENDED. TO PREVENT  
ASPIRATION OF SWALLOWED PRODUCT, LAY VICTIM ON SIDE WITH HEAD LOWER THAN  
WAIST.

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 PNEUMOCOCCIOSIS  
("DUSTY LUNG" DISEASE).

SECTION 5. FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES: NOT FLAMMABLE

FLASH POINT: NOT DETERMINED

SUITABLE EXTINGUISHING MEDIA:  
NON-COMBUSTIBLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING  
CONDITIONS.

HAZARDOUS COMBUSTION PRODUCTS: CARBON OXIDES

EXPLOSION DATA:  
SENSITIVITY TO MECHANICAL IMPACT: NOT SENSITIVE  
SENSITIVITY TO STATIC DISCHARGE: NOT SENSITIVE

UNUSUAL FIRE/EXPLOSION HAZARDS:  
IN A FIRE, THIS MATERIAL MAY DECOMPOSE, RELEASING OXIDES OF CARBON,  
POTASSIUM AND NITROGEN (SEE SECTION 10).

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:  
AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND,  
NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: AVOID CONTACT WITH SKIN, EYES, AND CLOTHING.

PERSONAL PROTECTIVE EQUIPMENT:  
MINIMUM - SAFETY GLASSES, GLOVES, AND A DUST RESPIRATOR.

EMERGENCY PROCEDURES: NA

METHODS FOR CONTAINMENT:  
PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

METHODS FOR CLEAN UP:  
AVOID DUST FORMATION. CLEAN UP RELEASED MATERIAL USING VACUUM OR WET SWEEP  
AND SHOVEL TO MINIMIZE GENERATION OF DUST. BAG AND TRANSFER TO PROPERLY  
LABELED CONTAINERS. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL  
PICKUP IS COMPLETE.

OTHER:  
IF PRODUCT IS CONTAMINATED, USE PPE AND CONTAINMENT APPROPRIATE TO THE  
NATURE OF THE MOST TOXIC CHEMICAL/MATERIAL IN THE MIXTURE.

#### SECTION 7. HANDLING AND STORAGE

PERSONAL PRECAUTIONS:  
USE APPROPRIATE PPE WHEN HANDLING OR MAINTAINING EQUIPMENT, AND WASH  
THOROUGHLY AFTER HANDLING (SEE SECTION 8).

CONDITIONS FOR SAFE STORAGE:  
KEEP PRODUCT IN ORIGINAL CONTAINER OR EXTINGUISHER. CONTENTS MAY BE UNDER  
PRESSURE - INSPECT EXTINGUISHER CONSISTENT WITH PRODUCT LABELING TO ENSURE  
CONTAINER INTEGRITY.

INCOMPATIBLE PRODUCTS:  
DO NOT MIX WITH OTHER EXTINGUISHING AGENTS, PARTICULARLY POTASSIUM  
BICARBONATE AND SODIUM BICARBONATE. INCOMPATIBLE WITH STRONG OXIDIZING  
AGENTS AND STRONG ACIDS. DO NOT STORE IN HIGH HUMIDITY. DO NOT COMBINE WITH  
CHLORINE COMPOUNDS.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME	OSHA PEL	ACGIH TLV	DFG MAK *	EU BLV
MONO-AMMONIUM PHOSPHATE	PNOC** TOTAL DUST, 15 MG/M3 RESPIRABLE FRACTION, 5 MG/M3	PNOC TOTAL DUST, 10 MG/M3 RESPIRABLE FRACTION, 3 MG/M3	PNOC TOTAL DUST, 4 MG/M3 RESPIRABLE FRACTION, 1.5 MG/M3	NA
MICA	6 MG/M3	3 MG/M3		NA
FULLERS EARTH	PNOC** TOTAL DUST, 15 MG/M3 RESPIRABLE FRACTION, 5 MG/M3	PNOC TOTAL DUST, 10 MG/M3 RESPIRABLE FRACTION, 3 MG/M3	PNOC TOTAL DUST, 4 MG/M3 RESPIRABLE FRACTION, 1.5 MG/M3	
SILICONE OIL	NR**	NR		
CALCIUM CARBONATE	PNOC TOTAL DUST, 15 MG/M3 RESPIRABLE FRACTION, 5 MG/M3	TOTAL DUST, 10 MG/M3 RESPIRABLE FRACTION, 3 MG/M3		NA
AMORPHOUS SILICA	143 MG/M3 OR 80 MG/M3/ % SiO2	10 MG/M3	4 MG/M3	NA
YELLOW 14 PIGMENT	NR	NR	NR	NA

\*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.

ENGINEERING CONTROLS:  
SHOWERS  
EYEWASH STATIONS  
VENTILATION SYSTEMS

PERSONAL PROTECTIVE EQUIPMENT - PPE CODE E:  
THE NEED FOR RESPIRATORY PROTECTION IS NOT PROBABLE DURING SHORT-TERM  
EXPOSURE. PPE USE DURING PRODUCTION PROCESS MUST BE INDEPENDENTLY  
EVALUATED.

SAFETY GLASSES

GLOVES

FULL SUIT

DUST MASK

EYE/FACE PROTECTION: TIGHTLY FITTING SAFETY GOGGLES

SKIN AND BODY PROTECTION: WEAR PROTECTIVE GLOVES/COVERALLS

RESPIRATORY PROTECTION:

IF EXPOSURE LIMITS ARE EXCEEDED OR IRRITATION IS EXPERIENCED, NIOSH  
APPROVED RESPIRATORY PROTECTION SHOULD BE WORN. USE P100 RESPIRATORS FOR  
LIMITED EXPOSURE, USE AIR-PURIFYING RESPIRATOR (APR) WITH HIGH EFFICIENCY  
PARTICULATE AIR (HEPA) FILTERS FOR PROLONGED EXPOSURE. POSITIVE-PRESSURE  
SUPPLIED AIR RESPIRATORS MAY BE REQUIRED FOR HIGH AIRBORNE CONTAMINANT  
CONCENTRATIONS. RESPIRATORY PROTECTION MUST BE PROVIDED IN ACCORDANCE WITH  
CURRENT SAFETY AND HEALTH REQUIREMENTS. THE NEED FOR RESPIRATORY PROTECTION  
IS NOT LIKELY FOR SHORT-TERM USE IN WELL VENTILATED AREAS.

HYGIENE MEASURES:

GOOD PERSONAL HYGIENE PRACTICE IS ESSENTIAL, SUCH AS AVOIDING FOOD, TOBACCO  
PRODUCTS, OR OTHER HAND-TO-MOUTH CONTACT WHEN HANDLING. WASH THOROUGHLY  
AFTER HANDLING.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: LIGHT YELLOW POWDER, FINELY DIVIDED ODORLESS SOLID

MOLECULAR WEIGHT: 115.03

ODOR: ODORLESS

ODOR THRESHOLD: NO INFORMATION AVAILABLE

DECOMPOSITION TEMPERATURE DEG. C: 100 - 120

FREEZING POINT DEG. C: NO INFORMATION AVAILABLE

INITIAL BOILING POINT DEG. C: NO INFORMATION AVAILABLE

PHYSICAL STATE: CRYSTALLINE POWDER

PH: APPROXIMATELY 4.4 TO 4.9

FLASH POINT DEG. C: NONE

AUTOIGNITION TEMPERATURE DEG. C: NONE

BOILING POINT/RANGE DEG. C: NOT APPLICABLE

MELTING POINT/RANGE DEG. C: 190 C

FLAMMABILITY LIMITS IN AIR DEG. C:

UPPER: NOT FLAMMABLE

LOWER: NOT FLAMMABLE

EXPLOSIVE PROPERTIES: NONE

OXIDIZING PROPERTIES: NONE

VOLATILE COMPONENT (%VOL): NOT APPLICABLE

EVAPORATION RATE: NOT APPLICABLE

MMHg @ 37.8 C: NOT APPLICABLE

VAPOR DENSITY: NOT APPLICABLE

VAPOR PRESSURE: NOT APPLICABLE

SPECIFIC GRAVITY: APPROXIMATELY 1.8 AT 25 C

SOLUBILITY: 40.4 G/100 ML

PARTITION COEFFICIENT: NO INFORMATION AVAILABLE

VISCOSITY: NOT APPLICABLE

#### SECTION 10. STABILITY AND REACTIVITY

STABILITY: STABLE UNDER RECOMMENDED STORAGE AND HANDLING CONDITIONS.

INCOMPATIBLES:

STRONG OXIDIZING AGENTS; STRONG ACIDS; SODIUM HYPOCHLORITE AND CHLORINE  
COMPOUNDS. PROTECT FROM MOISTURE

CONDITIONS TO AVOID: STORAGE OR HANDLING NEAR INCOMPATIBLES.

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON, NITROGEN, AND POTASSIUM OXIDES. HEAT OF FIRE MAY RELEASE CARBON  
MONOXIDE.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE

HAZARDOUS POLYMERIZATION: DOES NOT OCCUR

#### SECTION 11. TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE: INHALATION, SKIN AND EYE CONTACT.

SYMPTOMS:

INHALATION: IRRITATION, COUGHING.

EYES: IRRITATION.

SKIN: IRRITATION.

ACUTE TOXICITY: RELATIVELY NON-TOXIC.

CHRONIC TOXICITY:

SHORT-TERM EXPOSURE: NONE KNOWN.

LONG-TERM EXPOSURE:

AS WITH ALL DUSTS, PNEUMOCONIOSIS, OR "DUSTY LUNG" DISEASE, MAY RESULT FROM  
CHRONIC EXPOSURE.

ACUTE TOXICITY VALUES - HEALTH: