



SAFETY DATA SHEET

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: AMEREX 3x6% ATC Foam Concentrate
 Other Identifiers: AMEREX 3x6%, Amerex 3x6 AR-AFFF
 Product Code(s): CH502/504/534
 Model Code(s) for Extinguishers: 250, 254, 630
 Recommended Use: Fire suppression agent, liquid concentrate.
 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: March 7, 2019

Section 2. HAZARDS IDENTIFICATION

GHS – Classification

Health	Environmental	Physical
Acute Toxicity: Category 4	None	Warning
Skin Corrosion/Irritation: Category 2	None	Warning
Skin Sensitization: 1	None	Warning
Eye: Category 2A	None	Warning
STOT (Single Exposure) – Category 1 (CNS, Blood System, Kidney)	None	Danger
STOT (Repeated Exposure) – Category 1 (CNS, Respiratory System, Heart, Liver)	None	Danger
Carcinogen: Category None	None	None

GHS – Label Symbol(s):



If Pressurized: Gas Under Pressure

GHS – Signal Word(s): Danger
Other Hazards Not Resulting in Classification: None

GHS – Hazard Phrases

GHS Hazard	GHS Codes(s)	Code Phrase(s)
Physical	H229	*- Contents under pressure; may explode if heated.
Health	H302 315 318 319 335 336 370 372	Harmful if swallowed Causes skin irritation. Causes serious eye damage Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.
Environmental	H401	Toxic to aquatic life.
Precautionary:		
General	P101	If medical advice is needed, have product container or label at hand.
Prevention	P240 261 264 270 273 280	Do not pierce or burn, even after use. Avoid breathing dust/fumes/gas/mist/vapours/spray. [As modified by IV ATP] Wash skin thoroughly after handling Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P312 321 362 391 301+312 302+352 304+312 304+340 305+351+338 332+313 337+313	Call a doctor if you feel unwell. Specific treatment (see Section 4. First Aid Measures). Take off contaminated clothing. [As modified by IV ATP] Collect spillage. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. [As modified by IV ATP] IF ON SKIN: Wash with plenty of water. IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists get medical advice/attention.
Storage	P410+403	*- Protect from sunlight. Store in well-ventilated place.
Disposal	P501	Dispose of contents through a licensed disposal company. Contaminated container should be disposed of as unused product.

*- If under pressure

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No.	Weight %
Diethylene glycol butyl ether	203-961-6	NA	112-34-5	5-15
Sodium Octyl Sulfate	205-535-5	NA	142-31-4	1-5
Cocamidopropyl Betaine	263-058-8	NA	61789-40-1	1-10
Ethylene glycol	203-473-3	NA	107-21-1	1-5
Non-hazardous ingredients	NA	NA	NA	60-90

Adverse health effects and symptoms:

Causes severe eye damage. Causes skin irritation. Symptoms may include coughing, shortness of breath, redness of skin, eye pain, nausea, abdominal pain, weakness, dizziness, CNS depression.

Section 4. FIRST AID MEASURES

Eye Exposure:	Causes irritation. First check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.
Skin Exposure:	Causes skin irritation. Immediately flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, immediately call a physician and be prepared to transport the victim to a hospital for treatment
Inhalation:	Immediately leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere.
Ingestion:	Overdose symptoms may include feeling faint or dizzy, nausea, general weakness, or seizure (convulsions). Rinse mouth and throat. Do not induce vomiting. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and immediately call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim's airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. Immediately transport the victim to a hospital
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.

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:	Under certain extreme conditions there may be a release of toxic and/or corrosive gases: oxides of nitrogen, oxides of carbon, oxides of sulfur, hydrogen fluoride.
<u>Explosion Data:</u>	
Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
Unusual fire/explosion hazards:	See above – Hazardous Combustion Products
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:	For minor spills: Avoid contact with skin, eyes, and clothing. Ensure area is well-ventilated. For large spills: Only trained personnel should conduct clean-up. Follow directions below.
Personal Protective Equipment:	Minimum - safety glasses, impermeable gloves, coveralls, long sleeve shirts. For large spills: Splash resistant safety goggles, impermeable gloves, coveralls, long sleeve shirt, air purifying respirator (See Section 8).
Emergency Procedures:	NA
Methods for Containment:	Wear proper personal protective equipment. Prevent further leakage or spillage if safe to do so.
Methods for Clean Up:	Clean up released material using sorbent materials. Bag and drum for disposal; properly label containers; dispose as required by local, state, and federal regulations. Decontaminate area with detergent and water.
Environmental Precautions:	Prevent entry into water ways, sewers, basements, and confined areas. Dispose of waste according to legislative requirements.

Other:

If product is contaminated, use PPE and containment appropriate to the nature of the most toxic chemical or 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/Handling:

Keep product in original container or extinguisher. Prevent falling. Do not allow near heat sources. Contents may be under pressure – inspect extinguisher consistent with product labeling to ensure container integrity.

Incompatible Products:

Incompatible with strong oxidizing agents and strong acids. Electrically energized equipment.

Hazardous Decomposition Products:

Carbon oxides.

Hazardous Polymerization:

Will not occur.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	OSHA PEL	ACGIH TLV	DFG MAK *	EU BLV
Diethylene glycol butyl ether	NA	TWA 10 ppm	TWA 10 ppm; 67 mg/m ³	NA
Sodium Octyl Sulfate	NA	NA	NA	NA
Cocamidopropyl Betaine	NA	NA	NA	NA
Ethylene glycol	Vacated	100 mg/m ³ ceiling aerosol only	TWA 20 ppm; 52 mg/m ³	NA

*German regulatory limits *** 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.



Eye/Face Protection:

Skin and Body Protection:

Respiratory Protection:

Hygiene Measures:

Tightly fitting safety goggles

Wear protective gloves, and coveralls or long sleeve shirt.

If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn. Use air-purifying respirator (APR) 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.

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 liquid
Molecular Weight:	No information available
Odor:	Mild, sweet
Odor Threshold:	No information available
Decomposition Temperature °C:	No information available
Freezing Point °C:	-2
Initial Boiling Point °C:	No information available
Physical State:	Liquid
pH:	7 – 8.5
Flash Point °C:	None
Autoignition Temperature °C:	None
Boiling Point/Range °C:	100
Melting Point/Range °C:	No information available
Flammability:	Not Flammable
Flammability Limits in Air °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:	2.4 kPa at 20 °C
Specific gravity:	Approximately 1.01 – 1.02
Solubility:	No information available
Partition Coefficient:	No Information Available
Viscosity:	No Information Available

Section 10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage and handling conditions.
Reactivity:	No hazardous reactions under normal handling and storage.
Incompatibles:	Strong oxidizing agents; water-reactive materials; electrically energized equipment.
Conditions to Avoid:	Storage or handling near incompatibles.
Hazardous Decomposition Products:	Carbon, nitrogen, and potassium oxides, CO ₂ . Heat of fire may release carbon monoxide.
Possibility of Hazardous Reactions:	Under certain extreme conditions there may be a release of toxic and/or corrosive gases: oxides of nitrogen, oxides of carbon, oxides of sulfur, hydrogen fluoride.
Hazardous Polymerization	Does not occur

Section 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation, skin and eye contact.
Symptoms:	
Immediate:	
Inhalation:	Slight irritation, coughing.
Eyes:	Serious irritation and damage.
Skin:	Mild irritation.
Delayed:	Symptoms appear to be relatively immediate
Acute Toxicity:	Relatively non-toxic.
Chronic Toxicity:	
Short-term Exposure:	STOT (Single Exposure) – Narcotic effect, CNS, Blood System, Kidney).

Long-term Exposure:

STOT (Repeated Exposure) – CNS, Respiratory System, Heart, Liver.

Acute Toxicity Values - Health

Chemical Name	LD50		LC50 (Inhalation)
	Oral	Dermal	
Diethylene glycol butyl ether	>5660 mg/kg (rat)	2700 mg/kg (rabbit)	None
Sodium Octyl Sulfate	3200 mg/kg (rat)	None	None
Triethanolamine	4190 mg/kg (rat)	4900 mg/kg (rabbit)	None
Cocamidopropyl Betaine	4900 mg/kg (rat)	None	None
1,2-Propylene glycol	20 g/kg (rat)	20800 mg/kg (rabbit)	None
Ethylene glycol	4700 mg/kg (rat)	10600 mg/kg (rabbit)	124.7 mg/L 4h (rat)

Reproductive Toxicity:

Ethylene glycol – Category 1B - Based on the description in the report on mouse continuous breeding and rat teratogenicity tests (CICAD 45 (2002)): Malformations, retarded ossification and unossification are observed in offspring at dosing levels not toxic to dams.

Target Organs and Effects (TOST):

Respiratory system (mild irritant). Mild irritant to skin. Damaging and very irritating to the eyes. Possible sensitization of skin by Cocamidopropyl Betaine.

Other Toxicity Categories

Chemical Name	Germ Cell Mutagenicity	Carcinogenicity	Reproductive	TOST Single Exp	TOST Repeated Exp	Aspiration
Diethylene glycol butyl ether	None	None	None	3 (Narcotic)	1 (Respiratory system, Liver)	None
Sodium Octyl Sulfate	None	None	None	3	3 (Lungs)	None
Triethanolamine	None	Group 3 IARC	None	None	None	None
Cocamidopropyl Betaine	None	None	None	3 (Lungs)	None	None
Ethylene glycol	None	A3 ACGIH OSHA NTP	1B	1 CNS, Blood system, kidneys); 3 Respiratory system	1 CNS, Respiratory system, heart	None

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Moderate risk.

Persistence/Degradability:

Degrades rapidly.

*Probability of rapid biodegradation:

DGBE: Est= 0.2428, Slow

SOS: Est= 0.7559, Rapid

CB: Est= 0.9753, Rapid

EG: Est= 1.0355

*Anaerobic biodegradation probability:

DGBE: Est= 0.2390, Slow

SOS: Est= 0.6207, Rapid

CB: Est= -0.1753

EG: Est= 1.1536

*Bioaccumulation:

DGBE: Est= 1.12

SOS: Est= 1.055

CB: Est= 1.231

EG: Est= 0.894

*Bioconcentration factor:

DGBE: Est= 3.162 L/kg

SOS: Est= 3.262 L/kg

CB: Est= 70.79 L/kg

EG: Est= 3.162 L/kg

*Mobility in soil (Log Koc-MCI Method)

DGBE: Est= 1.000

SOS: Est= 2.461

CB: Est= 2.811

EG: Est= 0.000

*Log Octanol-Water Partition Coefficient (KOWWIN)

DGBE: 0.29

SOS: -0.27

CB: 0.69

EG: -1.20

*Log Koc (Kow Method)

DGBE: 0.642

SOS: 0.937

CB: 0.425

EG: -0.650

*Log Koa:

DGBE: 7.0917

SOS: 5.345

CB: 19.287

EG: 4.250

*Log Kaw (HenryWin estimate):

DGBE: -6.531

SOS: -5.615

CB: -18.597

EG: -5.610

*Fraction sorbed to airborne particulates (Mackay model):

DGBE: 8.22E-005

SOS: 0.999

CB: 1 (sorbed fraction may be resistant to atmospheric oxidation)

EG: 1.96E-005

*Atmospheric oxidation half-life:

DGBE: 0.285 days

SOS: 1.164 days

CB: 0.221 days

EG: 1.285 days

*Level III Fugacity Model:

DGBE: 69.1% soil, 30.6% water, 0.0645% sediment, 0.172% air

SOS: 78.2% soil, 20.6% water, 0.261% sediment, 0.856% air

CB: 83.1% soil, 16.5% water, 0.43% sediment, 5.7e-008 % air

EG: 62.4% soil, 36.1% water, 0.0638% sediment, 1.44% air

*NOTE: DGBE – Cas # 112-34-5; Diethylene Glycol Butyl Ether
SOS – Cas# 142-31-4; Sodium Octyl Sulfate
CB – Cas# 61789-40-0; Cocamidopropyl Betaine
EG – Cas# 107-21-1; Ethylene Glycol

Other Adverse Ecological Effects: No other known effects at this time

Aquatic Toxicity Values - Research

Chemical Name	Acute (LC50)	Chronic (LC50)
Diethylene glycol butyl ether	2700 mg/L 24h Carassius auratus (Goldfish) 2400 mg/L 24h Lepomis macrochirus (Bluegill sunfish) 2850 mg/L 24h Daphnia magna (Water flea)	No information found
Sodium Octyl Sulfate	>100 mg/L 96h Dano rerio EC50: >100 mg/L 48h Daphnia magna	1.357 mg/L 42d P. promelas
Triethanolamine	10600-13000 mg/L 96h Pimephales promelas 450-1000 mg/L 96h Lepomis macrochirus EC50; 216 mg/L 72h Desmodemus subspicatus	No information found
Cocamidopropyl Betaine	2 mg/L 96h Brachydanio rerio (zebrafish) EC50; 6.5 mg/L 48h Daphnia magna	No information found
1,2-Propylene glycol	51600 mg/L 96h Oncorhynchus mykiss 51400 mg/L 96h Pimephales promelas EC50; 19000 mg/L 96 h Pseudokirchneriella subcapitata EC50; >1000 mg/L 48h Daphnia magna	No information found
Ethylene glycol	41000 mg/L 96h Oncorhynchus mykiss (Rainbow trout) EC50: 46300 mg/L 48h Daphnia magna (Water flea)	No information found

Aquatic Toxicity Values – Calculated Estimates

Chemical Name	Acute (LC50)	Chronic (LC50)
Diethylene glycol butyl ether	N/A	N/A
Sodium Octyl Sulfate	N/A	N/A
Triethanolamine	N/A	N/A
Cocamidopropyl Betaine	N/A	N/A
1,2-Propylene glycol	N/A	N/A
Ethylene glycol	N/A	N/A

Section 13. DISPOSAL CONSIDERATIONS

Safe Handling

Use appropriate PPE when handling, and wash thoroughly after handling (see Section 8).

Waste Disposal Considerations

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

Contaminated Packaging

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

NOTES:

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. TRANSPORT INFORMATION

UN Number: NA
UN Proper Shipping Name: NA
Transport Hazard Class: NA
Packing Group: NA
Marine Pollutant?: NO

IATA Not regulated
DOT Not regulated

NOTES:

This product is not defined as a hazardous material under U.S. Department of Transportation (DOT) 49 CFR 172, or by Transport Canada "Transportation of Dangerous Goods" regulations. This transportation information covers the Novec 1230 (CAS 756-13-8) fire extinguisher agent as shipped in bulk containers and not when contained in fire extinguishers or fire extinguisher systems.

Special Precautions for Shipping:

If 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 LIMITED QUANTITY when pressurized to less than 241 psig and when shipped via highway or rail. UN Class 2.2. Non-Flammable Gas, when shipping via air. Packing Group – N/A

Section 15. REGULATORY INFORMATION

International Inventory Status: All ingredients are on the following inventories

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

REACH Title VII Restrictions: No information available

Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names Are to be Indicated on Label	Pollution Release and Transfer Registry (Class II)	Pollution Release and Transfer Registry (Class I)	Poison and Deleterious Substances Control Law
Diethylene glycol butyl ether	Not Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Not Applicable

Component	ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA – Harmful Substances Requiring Permission	Toxic Chemical Classification Listing (TCCL) – Toxic Chemicals	Toxic Release Inventory (TRI) – Group I	Toxic Release Inventory (TRI) – Group II
Diethylene glycol butyl ether	Not Applicable	Not Applicable	Not Applicable	Listed	Listed
Sodium Octyl Sulfate	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Triethanolamine	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Cocamidopropyl Betaine	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
1,2-Propylene glycol	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Ethylene glycol	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

European Risk and Safety phrases:

EU Classification: Xi Irritant
R Phrases: 36/37/38 Irritating to eyes, skin, and respiratory system.
S Phrases: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37/39 Wear suitable protective clothing and eye/face protection

U.S. Federal Regulatory Information:

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) - This product contains one chemical, ethylene glycol, which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. Ethylene glycol is under SARA reporting requirements and has SARA threshold planning quantities (TPQs), CERCLA reportable quantities (RQs), and is regulated under TSCA 8(d).

SARA 311/312 Hazard Categories:

Acute Health Hazard Yes – Ethylene glycol
Chronic Health Hazard Yes – Ethylene glycol
Fire Hazard No
Sudden Release of Pressure Hazard-* Yes
Reactive Hazard No

* - Only applicable if material is in a pressurized extinguisher.

Clean Water/Clean Air Acts:

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42). Ethylene glycol is regulated as a pollutant and is listed in

the Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61) and Section 112 of the Clean Air Act Amendments of 1990.

U.S. State Regulatory Information:

Chemicals in this product are covered under specific State regulations, as denoted below:

- Alaska** - Designated Toxic and Hazardous Substances: None
- California** – Permissible Exposure Limits for Chemical Contaminants: 40 ppm - ethylene glycol
- Florida** – Substance List: None
- Illinois** – Toxic Substance List: Yes – ethylene glycol
- Kansas** – Section 302/303 List: None
- Massachusetts** – Substance List: Yes – ethylene glycol
- Minnesota** – List of Hazardous Substances: None
- Missouri** – Employer Information/Toxic Substance List: None
- New Jersey** – Right to Know Hazardous Substance List: Yes – ethylene glycol
- North Dakota** – List of Hazardous Chemicals, Reportable Quantities: None
- Pennsylvania** – Hazardous Substance List: Yes – ethylene glycol
- Rhode Island** – Hazardous Substance List: No
- Texas** – Hazardous Substance List: No
- West Virginia** – Hazardous Substance List: None
- Wisconsin** – Toxic and Hazardous Substances: None

California Proposition 65: Ethylene glycol is listed as developmental (causes cancer)

Other:

- | | |
|-----------------------------|---------------------------------|
| Mexico – Grade 1 | Slight Risk for ethylene glycol |
| Canada – WHMIS Hazard Class | Ethylene glycol is listed |

Section 16. OTHER INFORMATION

This SDS 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. No modifications of this SDS are authorized by AMEREX Corporation. Questions or comments should be directed to AMEREX Corporation (See Section 1).

Issuing Date	24-December-2015
Revision Date	7-March-2019; Revision D
Revision Notes	None

The information herein is given in good faith but no warranty, expressed or implied, is made. Updated by William F. Garvin, CIH.