rade name: Clean Flush Powder		
1 Identification of the substance/mixture and	of the company/undertaking	
• 1.1 Product identifier		
rrade name: Clean Flush Powder CF1705AE, CFP004 & CFP006		
Article number: BP33		
• 1.2 Relevant identified uses of the substance or mixture an No further relevant information available.	nd uses advised against	
Application of the substance / the preparation Holding tank deodorant		
Product dilution information: 1 full rounded tablespoon per g For packets: add one 6 gram p		
 1.3 Details of the supplier of the Safety Data Sheet Aircraft Technologies, Inc. 3650 Highpoint Street San Antonio, Texas 78217 Phone: 210-590-6858 FAX: 210-590-7509 Email: dnipper@aircrafttech.com Website: www.aircrafttech.com 1.4 Emergency telephone number: 		
ChemTel Inc. (800)255-3924, +1 (813)248-0585 2 Hazards identification		
• 2.1 Classification of the substance or mixture		
Classification according to Regulation (EC) No 1272/2008		
Product as SOLD	Product at USE DILUTION	
GHS05 corrosion	No pictogram.	
Eye Dam. 1 H318 Causes serious eye damage.	Eye Irrit. 2B, H320 Causes eye irritation.	
Skin Corr./Irrit. 1C, H314 Causes severe skin burns and eye damage		
GHS07	Not classified.	
Acute Tox. (oral) 4, H302 Harmful if swallowed.	Not classified.	
Classification according to Directive 67/548/EEC or Directive 67/548/EC or Directiv	tive 1999/45/EC	
C; Corrosive R34: Causes burns	Xi; Irritant R36: Causes eye irritation.	
Information concerning particular hazards for human and	l environment:	
The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.	The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.	

rade name: Clean Flush Powder	
	(Contd. from page
Classification system:	
The classification is according to the latest editions of the EU- The classification is in accordance with the latest editions of ir information from technical literature and by information provid	nternational substances lists, and is supplemented by
• 2.2 Label elements	
Labeling according to Regulation (EC) No 1272/2008	
Product as SOLD	Product at USE DILUTION
The product is classified and labeled according to the CLP regulation.	The product is classified and labeled according to the CLP regulation.
Hazard pictograms	
GHS05 GHS07	None
• Signal word Danger	Warning
Hazard-determining components of labelling:	3
Alkyl(C12-18) dimethyl(ethylbenzyl) ammonium chloride quaternary ammonium compounds, benzyl-C12-18- alkyldimethyl, chlorides	Alkyl(C12-18) dimethyl(ethylbenzyl) ammonium chloride quaternary ammonium compounds, benzyl-C12-18- alkyldimethyl, chlorides
• Hazard statements	
H314 Causes severe skin burns and eye damage H318 Causes serious eye damage. H302 Harmful if swallowed.	H320 Causes eye irritation.
Precautionary statements	
P102 Keep out of reach of children.	Keep out of reach of children.
P280 Wear protective gloves / protective clothing / eye protection.	
P260 Do not breathe dusts or mists.	Wash hands thoroughly after handling.
P264 Wash hands thoroughly after handling.	
 P270 Do not eat, drink, or smoke when using this product. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or a doctor. P302+P361+P353+P363+P310: IF ON SKIN (or hair): Take 	IF IN EYES: Rinse cautiously with water for several min- utes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical atten- tion.
off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center / doctor. Wash contaminated clothing before reuse. P304+P340+P310; IF INHALED: Remove person to fresh	
air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.	
P301+P330+P331+P312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately cal a POISON CENTER/doctor.	
P405 Store locked up	
P501 Dispose of contents/container in accordance with local regulations.	

Trade name: Clean Flush Powder

(Contd. from page 2)

.2 Mixtures Description: Mixture of substances listed below with nonhazardous additions.		
Dangerous components:		
CAS: 57-13-6 EINECS: 200-315-5	urea substance with a Community workplace exposure limit	40-50%
CAS: 68956-79-6	Alkyl(C12-18) dimethyl(ethylbenzyl) ammonium chloride C R34; Xn R22; Xi R37 Skin Corr. 1B, H314; Eye Dam. 1, H318 Acute Tox. 4, H302; STOT SE 3, H335	<20%
CAS: 68391-01-5 EINECS: 269-919-4	quatemary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides C R34; Xn R22 Skin Corr. 1B, H314	<20%
CAS: 25155-30-0	Sodium dodecylbenzenesulfonate Xi R36/37/38/41 Xn: R22 Eye Irrit. 2A, H319, Skin Irrit. 2, H315, Acute Tox. 4 (Oral), H302 STOT SE 3, H335	<5%
CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	Sodium Carbonate Xi R36 Eye Irrit. 2A, H319	<10%
CAS: 13236-36-4	Tetrasodium ethylenediaminetetraacetic acid Xi R36 Xn R22 Eye Irrit. 2A, H319; Acute Tox. 4, H302	<1%

• Additional information: For the wording of the listed risk phrases refer to section 16.

4 First-aid measures		
• 4.1 Description of first aid measures		
Product as SOLD	Product at USE DILUTION	
General information: No special measures required.	No special measures required.	
• After inhalation: Supply fresh air; consult doctor in case of complaints.	Remove victim to fresh air and keep comfortable for breathing.	
• After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.	If irritation occurs, rinse skin with water. If irritation persists get medical attention.	
• After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.	
• After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physcian if you feel unwell.	

Trade name: Clean Flush Powder	
	(Contd. from page 3)
• 4.2 Most important symptoms and effects, both acute and delayed Irritant to skin and mucous membranes. Strong irritant with the danger of severe eye injury. Gastric or intestinal disorders. Nausea Cramp Thirst	No known effects.
• Hazards Danger of gastric perforation. Danger of severe eye injury.	No known effects.
• 4.3 Indication of any immediate medical attention and sp	ecial treatment needed
Medical supervision for at least 48 hours.	Get medical attention if symptoms occur.

5 Fire-fighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents: None. • 5.2 Special hazards arising from the substance or mixture
- Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Advice for firefighters
 Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.
- Additional information Cool endangered receptacles with water spray. Eliminate all ignition sources if safe to do so.

6 Accidental release measures

Product as SOLD	Product at USE DILUTION
Use respiratory protective device against the effects of dust. Wear protective equipment. Keep unprotected persons away. Avoid formation of dust	Use personal protective equipment as required.
6.2 Environmental precautions:	·
No special measures required.	Avoid contact of large amounts of spilled material and run of with soil and surface waterways.
6.3 Methods and material for containment and cleaning	up:
Pick up mechanically. Dispose contaminated material as waste according to item 13.	Large Spills: Flush area with water. Prevent entry into waterways. Small Spills: Wipe up with absorbent material.
6.4 Reference to other sections	·
See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Trade name: Clean Flush Powder

(Contd. from page 4)

7 Handling and storage	
• 7.1 Precautions for safe handling	
Product as SOLD	Product at USE DILUTION
Prevent formation of dust. Use only in well ventilated areas.	No special measures required.
 Information about fire - and explosion protection: 	
No special measures required.	No special measures required.
• 7.2 Conditions for safe storage, including any incompati	bilities
Storage:	
• Requirements to be met by storerooms and receptacles:	
Keep out of reach of children. Protect from humidity and water. Avoid storage near extreme heat, ignition sources or open flame.	Keep out of reach of children.
Information about storage in one common storage facility	ty:
Store away from foodstuffs. Store away from oxidizing agents. Store away from water. Do not store together with acids.	No storage precautions necessary.
Further information about storage conditions:	
Store in cool, dry conditions in well sealed receptacles. Protect from freezing.	No storage precautions necessary.
• 7.3 Specific end use(s) No further relevant information available	lable.

8 Exposure controls/personal protection

Additional information about design of technical facilitie Product as SOLD		Product at USE DILUTION	
• 8.1 Control parameters			
Ingredients with limit	values that require monitoring at	the workplace:	
57-13-6 urea			
WEEL (USA)	A) Long-term value: 10 mg/m³		
DNELs No further relevation of the second seco		ere used as basis.	
8.2 Exposure controls			
Personal protective eq	uipment:		
 General protective and 	hygienic measures:		
when handling chemical Keep away from foodstu Immediately remove all	iffs, beverages and feed. soiled and contaminated clothing. aks and at the end of work.	Not required under normal conditions of use.	

	(Contd. from
Product as SOLD	Product at USE DILUTION
Respiratory protection:	
Not required under normal conditions of use. For spills, respiratory protection may be advisable.	A respirator is not required under normal and intended conditions of use.
Protection of hands:	
Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.	No protective equipment is needed under normal conditions.
Material of gloves	
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.	No protective equipment is needed under normal conditions.
Penetration time of glove material	
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.	No protective equipment is needed under normal conditions.
Eye protection:	
Contact lenses should not be worn. Safety glasses	No protective equipment is needed under normal conditions.
Body protection:	
Wear suitable protective clothing.	No protective equipment is needed under normal conditions.
Limitation and supervision of exposure into the environm	ent
No further relevant information available.	No further relevant information available.
Risk management measures	
See Section 7 for additional information. No further relevant information available.	See Section 7 for additional information. No further relevant information available.

9 Physical and chemical properties		
	Product as SOLD	Product at USE DILUTION
• 9.1 Information on basic physi	cal and chemical properties	
 General Information Appearance: Form: Color: Odor: Odor threshold: 	Granular White Cherry scented Not determined.	Liquid colorless Faint cherry scent Not determined.

(Contd. on page 7)

Trade name: Clean Flush Powder

		(Contd. from page 6
	Product as SOLD	Product at USE DILUTION
• pH-value at 20 °C:	Not applicable.	9.0 ± 0.5 at label use-dilution.
 Change in condition Melting point/Melting range: Boiling point/Boiling range: 	Undetermined. Undetermined.	Not applicable. 100° C / 212° F
Flash point:	Not applicable.	Not determined.
• Flammability (solid, gaseous):	Not determined.	Not applicable.
Ignition temperature:	Not determined.	Not applicable.
Decomposition temperature:	Not determined.	Not determined.
Self-igniting:	Product is not self-igniting.	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.	Product does not present an explosion hazard.
• Explosion limits: Lower: Upper:	Not determined. Not determined.	Not determined. Not determined.
• Vapor pressure at 20 °C:	Not applicable.	Not determined.
 Density at 20 °C: Relative density Vapor density Evaporation rate 	Not determined. Not determined. Not applicable. Not applicable.	Not determined. Not determined. Not applicable. Not applicable
Solubility in / Miscibility with water:	Soluble.	Complete
 Partition coefficient (n-octanol/water): 	Not determined.	Not determined.
• Viscosity: Dynamic: Kinematic:	Not applicable. Not applicable.	Not determined. Not determined.
9.2 Other information	No further relevant information available.	No further relevant information available.

10 Stability and reactivity

- 10.1 Reactivity Not determined.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong acids and oxidizing agents. Toxic fumes may be released if heated above the decomposition point. Exothermic reaction with acids.
- As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion. • **10.4 Conditions to avoid** Store away from oxidizing agents.
- 10.5 Incompatible materials: Strong oxidizing agents.
- 10.6 Hazardous decomposition products:
- Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)

Sulphur oxides (SOx)

Trade name: Clean Flush Powder

(Contd. from page 7)

11.1 Information on toxicological effects	
Product as SOLD	Product at USE DILUTION
Acute toxicity:	Non-toxic at use-dilution.
 LD/LC50 values relevant for classification: 	
68391-01-5 quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	
Oral LD50 650 mg/kg (rat)	
Primary irritant effect:	
 on the skin: Slight irritant effect on skin and mucous membranes. 	No adverse effects due to skin contact are expected.
• on the eye: Strong caustic effect.	Direct contact with eyes may cause temporary irritation.
Sensitization: No sensitizing effects known.	No sensitizing effects known.
 Additional toxicological information: 	
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Corrosive Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.	Not classified No known significant effects or critical hazards.

12 Ecological information

- 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Ecotoxical effects:
- Remark: Harmful to fish

After neutralization a reduction of the harming action may be recognized.

Additional ecological information:

General notes:

Water Hazard Class (Self-classification) in the concentrate.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

• 12.6 Other adverse effects No further relevant information available.

3 Disposal considerations	
13.1 Waste treatment methods	
Product as SOLD	Product at USE DILUTION
Recommendation	
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
 Uncleaned packaging: 	
 Recommendation: Disposal must be made according to official regulations. 	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
 Recommended cleansing agents: Water, if necessary together with cleansing agents. 	
4 Transport information Product as SOLD	
14.1 UN-Number	
Product as SOLD 14.1 UN-Number	Limited Quantity
Product as SOLD	Limited Quantity UN1759, CORROSIVE SOLID, N.O.S. (quaternary ammonia compounds), 8, III, Ltd. Qty.
Product as SOLD 14.1 UN-Number DOT 14.2 UN proper shipping name ADR, ADN, IMDG, IATA : CF1705AE, CFP004 & CFP006	UN1759, CORROSIVE SOLID, N.O.S. (quaternary ammonia
Product as SOLD 14.1 UN-Number DOT 14.2 UN proper shipping name	UN1759, CORROSIVE SOLID, N.O.S. (quaternary ammonia compounds), 8, III, Ltd. Qty.
Product as SOLD 14.1 UN-Number DOT 14.2 UN proper shipping name ADR, ADN, IMDG, IATA : CF1705AE, CFP004 & CFP006 DOT	UN1759, CORROSIVE SOLID, N.O.S. (quaternary ammonia compounds), 8, III, Ltd. Qty.
Product as SOLD 14.1 UN-Number DOT 14.2 UN proper shipping name ADR, ADN, IMDG, IATA : CF1705AE, CFP004 & CFP006 DOT 14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	UN1759, CORROSIVE SOLID, N.O.S. (quaternary ammonia compounds), 8, III, Ltd. Qty. Cleaning compound, powder, N.O.I.
Product as SOLD 14.1 UN-Number DOT 14.2 UN proper shipping name ADR, ADN, IMDG, IATA : CF1705AE, CFP004 & CFP006 DOT 14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class DOT Class 14.4 Packing group	UN1759, CORROSIVE SOLID, N.O.S. (quaternary ammonia compounds), 8, III, Ltd. Qty. Cleaning compound, powder, N.O.I. 8 Limited quantity
Product as SOLD 14.1 UN-Number DOT 14.2 UN proper shipping name ADR, ADN, IMDG, IATA : CF1705AE, CFP004 & CFP006 DOT 14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class DOT Class 14.4 Packing group ADR, IMDG, IATA 14.5 Environmental hazards:	UN1759, CORROSIVE SOLID, N.O.S. (quaternary ammonia compounds), 8, III, Ltd. Qty. Cleaning compound, powder, N.O.I. 8 Limited quantity III

15 Regulatory information			
 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture United States (USA) SARA 			
Product as SOLD	Product at USE DILUTION		
Section 313 (Specific toxic chemical listings):			
None of the ingredients is listed.	None of the ingredients is listed.		

(Contd. on page 10)

Trade name: Clean Flush Powder		
	(Contd. from page 9)	
Product as SOLD	Product at USE DILUTION	
TSCA (Toxic Substances Control Act):	·	
All ingredients are listed.	All ingredients are listed.	
Proposition 65 (California):		
Chemicals known to cause cancer:		
None of the ingredients is listed.	None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for females:		
None of the ingredients is listed.	None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for males:		
None of the ingredients is listed.	None of the ingredients is listed.	
Chemicals known to cause developmental toxicity:		
None of the ingredients is listed.	None of the ingredients is listed.	
Carcinogenic Categories		
EPA (Environmental Protection Agency)		
None of the ingredients is listed.	None of the ingredients is listed.	
IARC (International Agency for Research on Cancer)		
None of the ingredients is listed.	None of the ingredients is listed.	
TLV (Threshold Limit Value established by ACGIH)		
None of the ingredients is listed.	None of the ingredients is listed.	
NIOSH-Ca (National Institute for Occupational Safety and Healt	h)	
None of the ingredients is listed.	None of the ingredients is listed.	
OSHA-Ca (Occupational Safety & Health Administration)		
All ingredients are listed.	All ingredients are listed.	
• 15.2 Chemical safety assessment: A Chemical Safety Assessment	t has not been carried out	

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

 Relevant p 	hrases
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
R22 R34	Harmful if swallowed.
	• • • • • • • • • • • • • • • • • • • •
R36/38	
R37	Irritating to respiratory system.
R41	Risk of serious damage to eyes.
R34 R36 R36/38 R37	Causes burns. Irritating to eyes. Irritating to eyes and skin. Irritating to respiratory system.

Trade name: Clean Flush Powder

(Contd. from page 10) SDS File Name: BP33 CLEAN FLUSH POWDER SDS Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labeling of Chemicals ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent Sources SDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com Revision: 06/27/2018 Aircraft Technology, Inc. makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Aircraft Technology, Inc. as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does Aircraft Technology, Inc. assume any liability arising out of the use by others of this product efferted to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Aircraft Technology, Inc. does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.