SAFETY DATA SHEET
ACE Toilet Bowl Cleaner

Printed: 04/03/2015
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1. Product and Company Identification

Product Code: ACE TOILET CLNR

Product Name: ACE Toilet Bowl Cleaner

Company Name: Fas-Pak
401 Darlington St
La Porte, IN 46350

Phone Number: (219)325-3455

Web site address: http://www.fas-pak.com

Information: EH&S Manager (219)325-3455 243

Product Category: Household Products

Intended Use: Toliet Bowl Cleaner

2. Hazards Identification

Acute Toxicity: Inhalation, Category 3
Skin Corrosion/Irritation, Category 1A
Serious Eye Damage/Eye Irritation, Category 1
Acute Toxicity: Oral, Category 3

Danger **Danger**

GHS Hazard Phrases:
H301: Toxic if swallowed.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H331: Toxic if inhaled.

GHS Precaution Phrases:
P260: Do not breathe fumes/gas/mist/vapors/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:
P301+310: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: 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 doctor/physician.
P321: Specific treatment included in this SDS.
P330: Rinse mouth.
P363: Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases:
P403+233: Store container tightly closed in well-ventilated place - if product is as volatile as to generate hazardous atmosphere.
P405: Store locked up.
P501: Dispose of contents/container to approved locations in compliance with all applicable regulations.

OSHA Regulatory Status:	This material is classified as hazardous under OSHA regulations.
Potential Health Effects (Acute and Chronic):	May cause severe chemical burns to the eyes, skin, gastrointestinal tract, and respiratory system.
Inhalation:	Hydrogen chloride gas, mist and vapor can cause irritation of respiratory tract, with burning, choking, coughing, headaches and rapid heartbeat. Levels of 10 to 35 ppm can cause irritation of throat and 50-100 ppm is nearly unbearable for 1 hour. Inflammation, destruction of nasal passage and breathing difficulties can occur with higher concentrations and may be delayed in onset. 1000-2000 ppm can be fatal.
Skin Contact:	Liquid hydrogen chloride or concentrated vapors can rapidly cause burning of skin. Repeated or prolonged contact with dilute solutions, and concentrated vapors, can cause irritations and dermatitis.
Eye Contact:	Liquid or concentrated vapors can cause eye irritations, severe burns and permanent damage including blindness.
Ingestion:	Can cause severe burns of mouth, esophagus and stomach. Nausea, pain and vomiting frequently occur. Depending upon amounts swallowed, holes in the intestinal tract, kidney inflammation, shock and death can occur.
Medical Conditions Generally Aggravated By Exposure:	Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7732-18-5	Water	<88.0 %
7647-01-0	Hydrochloric acid	9.5 -9.8 %
61791-26-2	Ethoxylated tallow amine	> 1.6 %
1643-20-5	Dodecyldimethylamine oxide	0.37 -0.41 %
68131-39-5	Ethoxylated linear alcohol	> 0.13 %
119-36-8	Methyl salicylate	0.1 %
28983-56-4	C.I. 42780-Acid Blue 93	0.004 %

4. First Aid Measures

Emergency and First Aid Procedures:	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.
In Case of Inhalation:	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
In Case of Skin Contact:	Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Obtain medical advice immediately.
In Case of Eye Contact:	Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.
In Case of Ingestion:	Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
Signs and Symptoms Of Exposure:	The product causes burns of eyes, skin and mucous membranes.
Note to Physician:	Symptoms may be delayed.

5. Fire Fighting Measures

Flammability Classification: Nonflammable Liquid

Flash Pt: NP

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NP

Suitable Extinguishing Media: Treat for surrounding material.

Fire Fighting Instructions: Firefighters should wear full protective clothing including self contained breathing apparatus.

Flammable Properties and Hazards: Non-flammable liquid.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Environmental Precautions: Do not discharge into lakes, streams, ponds or public waters.

Steps To Be Taken In Case Material Is Released Or Spilled: Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

7. Handling and Storage

Precautions To Be Taken in Handling: Use good industrial hygiene practices in handling this material. Do not get in eyes, on skin or on clothing. Use only with adequate ventilation. Avoid breathing vapors or mists of this product. Keep container tightly closed. Wash thoroughly after handling.

Precautions To Be Taken in Storing: Keep out of the reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7732-18-5	Water	No data.	No data.	No data.
7647-01-0	Hydrochloric acid	CEIL: 5 ppm	CEIL: 2 ppm)	No data.
61791-26-2	Ethoxylated tallow amine	No data.	No data.	No data.
1643-20-5	Dodecyldimethylamine oxide	No data.	No data.	No data.
68131-39-5	Ethoxylated linear alcohol	No data.	No data.	No data.
119-36-8	Methyl salicylate	No data.	No data.	No data.
28983-56-4	C.I. 42780-Acid Blue 93	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
Eye Protection:	Where splashing is possible, wear safety glasses with side shields or chemical safety goggles.
Protective Gloves:	Wear gloves that cannot be penetrated by chemicals. Neoprene, nitrile, polyvinyl alcohol (PVA), polyvinyl chloride and polyurethane gloves may prevent skin contact.
Other Protective Clothing:	No special protective clothing is normally required. Select protective clothing depending on industrial operations.
Engineering Controls (Ventilation etc.):	Use only with adequate ventilation.
Work/Hygienic/Maintenance Practices:	Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
Environmental Exposure Controls:	Local or general exhaust required when using at elevated temperatures that generate vapors or mists.

9. Physical and Chemical Properties

Physical States:	[ ] Gas [X] Liquid [ ] Solid
Appearance and Odor:	Clear royal blue liquid with a wintergreen odor.
Melting Point:	No data.
Boiling Point:	No data.
Autoignition Pt:	NP
Flash Pt:	NP
Explosive Limits:	LEL: No data. UEL: No data.
Specific Gravity (Water = 1):	1.03 - 1.06 at 77.0 F (25.0 C)
Density:	8.61 - 8.80 LBS/GAL at 77.0 F (25.0 C)
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate:	No data.
Solubility in Water:	Soluble
Viscosity:	100 - 220 CPS at 77.0 F (25.0 C)
pH:	< 1.0
Percent Volatile:	No data.

10. Stability and Reactivity

Reactivity:	Reacts vigorously with alkaline material. This product may react with reducing agents. Contact with common metals produces hydrogen which may form explosive mixtures with air. Thermal decomposition may release corrosive hydrogen chloride gas. Contact with strong oxidizers may produce chlorine gas.
Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	Do not mix with other chemicals.
Incompatibility - Materials To Avoid:	Bases. Reducing agents.
Hazardous Decomposition Or Byproducts:	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Ammonia. Hydrogen chloride. Other low molecular weight hydrocarbons
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid -	Under normal conditions of storage and use, hazardous polymerization is not expected

Hazardous Reactions: to occur.

11. Toxicological Information

Toxicological Information: May cause severe chemical burns to the eyes, skin, gastrointestinal tract, and respiratory system.
CAS# 61791-26-2:
Acute toxicity, LD50, Oral, Rat, 620.0 MG/KG.
Result:
Lungs, Thorax, or Respiration:Structural or functional change in trachea or bronchi.
Biochemical:Metabolism (intermediary): Effect on inflammation or mediation of inflammation.
- Farm Chemicals Handbook., Meister Pub., 37841 Euclid Ave., Willoughy, OH 44094, Vol/p/yr: -,C147, 1991

CAS# 1643-20-5:
Acute toxicity, LD50, Oral, Mouse, 2700. MG/KG.
Result:
Behavioral: Coma.
Lungs, Thorax, or Respiration:Respiratory depression.
Gastrointestinal:Nausea or vomiting.
- French Medicament Patent Document., U.S. Patent and Trademark Office, Foreign Patents, Washington, DC 20231, Vol/p/yr: #4264M,

CAS# 119-36-8:
Acute toxicity, LD50, Oral, Rat, 887.0 MG/KG.
Result:
Behavioral: Somnolence (general depressed activity).
- Food and Cosmetics Toxicology., For publisher information, see FCTOD7, London United Kingdom, Vol/p/yr: 2,327, 1964

Irritation or Corrosion: Eye: Causes chemical burns. May cause blindness.

Skin Causes chemical burns.

Inhalation May cause respiratory tract irritation or chemical burns.

Ingestion Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

Sensitization: Not a skin sensitizer.

Carcinogenicity/Other Information: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information: Hydrochloric acid can be acutely toxic to aquatic life through reduction in aqueous pH to toxic levels. Typically most aquatic species are intolerant of pH levels lower than 5.5 for any extended length of time. Reduction of pH levels may also cause the liberation of metals such as aluminum, which will also contribute to, exhibited toxicity.
CAS# 7647-01-0:
LC50, Western Mosquitofish (Gambusia affinis), adult(s), 282000. UG/L, 96 H, Mortality, Water temperature: 21.00 C (69.8 F) - 23.00 C (73.4 F) C, pH: 8.20; Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957

CAS# 61791-26-2:
LC50, Fathead Minnow (Pimephales promelas), 1000. UG/L, 96 H, Mortality, Water temperature: 22.00 C (71.6 F) C, pH: 7.20, Hardness: 40.00 MG/L.
Result:
Age Effects.
- Toxicity of the Herbicide Glyphosate and Several of Its Formulations to Fish and Aquatic Invertebrates, Folmar, L.C., H.O. Sanders, and A.M. Julin, 1979

CAS# 68131-39-5:
LC50, Bluegill (Lepomis macrochirus), 2100. UG/L, 96 H, Mortality, Water temperature: 21.00 C (69.8 F) C, pH: 7.10, Hardness: 38.00 MG/L.
Result:
Behavioral Effects.
- Susceptibility of Bluegill Sunfish (Lepomis macrochirus) to Nonionic Surfactants, Macek, K.J., and S.F. Krzeminski, 1975

Results of PBT and vPvB assessment: No testing has been performed by the manufacturer.

Persistence and Degradability: This product is not expected to persist in the environment.

Bioaccumulative Potential: This product is not expected to bioaccumulate.

Mobility in Soil: Spillages may penetrate the soil causing ground water contamination.

13. Disposal Considerations

Waste Disposal Method: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Dispose of spilled or waste product in accordance with all local, state and federal environmental regulations.

Waste Disposal Method: D002

14. Transport Information

GHS Classification: Acute Toxicity: Inhalation, Category 3 - Danger! Toxic if inhaled
Skin Corrosion/Irritation, Category 1A - Danger! Causes severe skin burns and eye damage
Serious Eye Damage/Eye Irritation, Category 1 - Danger! Causes serious eye damage
Acute Toxicity: Oral, Category 3 - Danger! Toxic if swallowed

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquids, n.o.s. (Hydrogen Chloride) (Hydrochloric acid)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN1760 **Packing Group:** III

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Corrosive liquids, n.o.s. (Hydrogen Chloride)

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Corrosive liquids, n.o.s. (Hydrogen Chloride)

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Corrosive liquids, n.o.s. (Hydrogen Chloride)
UN Number: 1760 **Packing Group:** III
Hazard Class: 8 - CORROSIVE
IMDG MFAG Number:
IMDG EMS Page: **Marine Pollutant:** No

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Corrosive liquids, n.o.s. (Hydrogen Chloride)

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7732-18-5	Water	No	No	No
7647-01-0	Hydrochloric acid	Yes 500 LB	Yes 5000 LB	Yes
61791-26-2	Ethoxylated tallow amine	No	No	No
1643-20-5	Dodecyldimethylamine oxide	No	No	No
68131-39-5	Ethoxylated linear alcohol	No	No	No
119-36-8	Methyl salicylate	No	No	No
28983-56-4	C.I. 42780-Acid Blue 93	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[X] Yes [ ] No Acute (immediate) Health Hazard
[X] Yes [ ] No Chronic (delayed) Health Hazard
[ ] Yes [X] No Fire Hazard
[ ] Yes [X] No Sudden Release of Pressure Hazard
[ ] Yes [X] No Reactive Hazard

16. Other Information

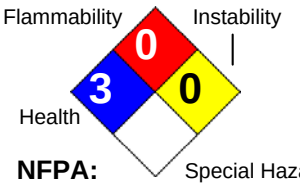
Revision Date: 04/03/2015
Preparer Name: CRR

Hazard Rating System:

HMIS:

HEALTH	3
FLAMMABILITY	0
PHYSICAL	0
PPE	B

NFPA:



Additional Information About This Product: No data available.

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