1. Identification

Product Identifier Bowl Brother

Other means of identification

Product code BMF-1252

Recommended use Acid bowl cleaner.

Recommended restrictions Professional use only.

Manufacturer/supplier/distributor/importer information

Company name Brothers MFG.

Address 10900 60th Street N.
Grant, MN 55082

Telephone (651) 646-1696

Emergency phone number PERS 24-hour Emergency (800) 633-8253

2. Hazard(s) Identification

 Physical hazards
 Corrosive to metals.
 Category 1

 Health hazards
 Serious eye damage.
 Category 1

 Corrosive to metals.
 Category 1

Skin corrosion. Category 1
Specific target organ toxicity, Category 3

respiratory system.

Acute toxicity, oral. Category 4

Environmental hazards Not classified.

OSHA defined hazards

Label elements



None.



Signal word DANGER

Hazard statement May be corrosive to metals.

Harmful if swallowed.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

Precautionary statement

Prevention Keep only in original container. Avoid breathing dust/fume/gas/mist/vapors/spray. Use

only outdoors or in a well-ventilated area. Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not

eat/drink/smoke after using this product.

Response Absorb spillage to prevent material damage.

IF SWALLOWED: Call a POISON CENTER/doctor/medical professional if you feel unwell.

Rinse mouth.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable breathing. Immediately call a POISON CENTER/doctor/medical professional. Specific treatment: See section 4 on

the Safety Data Sheet.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if

present and easy to do. Continue rinsing.

Store in a well-ventilated place. Keep container tightly closed. Store in corrosion-Storage

resistant container with a resistant inner lining. Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international

regulations.

Hazard(s) not otherwise

classified (HNOC)

None.

Supplemental information None.

3. Composition/information on ingredients

Mixture Component(s)			
Chemical name	CAS number	%	
Hydrochloric Acid	7647-01-0	25-35	
Other components below reportable levels		65-75	

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with mild soap and water.

Wash contaminated clothing. In case of eczema or other skin disorders: Seek medical

attention and take along these instructions.

Eye contact Rinse with fresh water for at least 15 minutes. Remove contact lenses if present and easy

to do so. Immediately call a physician or transport to hospital.

Ingestion Rinse mouth. Get medical attention immediately. Do not induce vomiting. If vomiting

occurs, keep the head low so as to prevent stomach contents from entering the lungs

Most important

symptoms/effects, acute and

delayed

Can cause serious eye damage. Can cause burning sensation and skin corrosion in affected areas. Shortness of breath, respiratory tract irritation or damage. Hydrochloric acid is extremely destructive to tissues of the mucous membranes and upper respiratory tract,

eyes, and skin.

Indication of immediate medical attention and special treatment needed

Provide general support measures and treat symptomatically. Keep victim under

observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions

to protect themselves. Wash contaminated clothing before reuse. Use with extreme

caution.

5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical

firefighters

During fire, gases hazardous to health may be formed (hydrogen chloride gas).

Special protective equipment

and precautions for

Self-contained breathing apparatus and full protecting clothing must be worn in case of

Fire-fighting

equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

This product is miscible in water.

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, absorbent wipes). Clean surface thoroughly dilute bicarbonate of soda or other weak base to remove residual contamination.

Never return spills to original container for re-use. For waste disposal, see section 13 of the

. .

Environmental precautions Avoid discharge into surface drainage paths and other areas not consistent with package

labeling.

7. Handling and storage

Precautions for safe handling

Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid tasting or swallowing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see

section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

ComponentsTypeValueHydrochloric AcidPEL5 ppm

US ACGIH Threshold Limit Values

ComponentsTypeValueHydrochloric AcidSTEL2 ppm

Biological limit values No information.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. It is recommended that users of this product perform a risk assessment to determine the appropriate personal protective equipment.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles). **Skin protection**

Hand protection The use of gloves impervious to the specific material handled is advised to prevent skin

contact. Users should check with manufacturers to confirm the breakthrough performance of their products. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Suggested protective materials: Nitrile and PVC rubber.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is

recommended. Depending on exposure and use conditions, additional protection may be necessary to prevent skin contact including use of items such as chemical-resistant boots,

aprons, arm covers, hoods and/or coveralls.

Respiratory protection In case of insufficient ventilation, wear suitable chemical-resistant respiratory protection

equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical State Liquid

ColorWhite/translucentOdorMint/ pungentOdor thresholdNot available

pH 0-1

Melting/freezing point -76°F (-60°C) estimated

Initial boiling point and

boiling range

>212°F (>100°C)

Flash point Not applicable
Evaporation rate Not available
Flammability Not available

Flammability Limits

Upper Not available
Lower Not available

Vapor pressure 0.7 mmHg at 77°F (25°C).

Vapor density Not available

Specific gravity (water=1) 1.09
Solubility in water Soluble

Partition coefficient Not applicable

(n-octanol/water)

Auto-ignition temperatureNot availableDecomposition temperatureNot availableViscosityNot available

10. Stability and reactivity

ReactivityThis product is stable and non-reactive under normal conditions of use. **Chemical stability**Material is stable under normal conditions. Store in a cool dark place.

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Conditions to avoid Avoid storage in elevated temperatures.

Incompatible materials Bases, amines, metals.

Hazardous decomposition

products

No hazardous decomposition products occur. In case of fire see section 5.

11. Toxicological information

Information on likely routes

of exposure

Ingestion Do not ingest. May be harmful if swallowed.

Inhalation Do not inhale. May cause damage to the upper respiratory tract.

Skin contact Can cause severe skin burns. Eye contact Can cause serious eye damage.

Symptoms related to the physical, chemical and

Burning sensation, coughing, wheezing, shortness of breath. Hydrochloric acid is extremely

destructive to mucous membranes and upper respiratory tract, eyes, and skin.

toxicological characteristics

Acute toxicity Harmful if swallowed.

Product Bowl Away Hi-Cid Bowl Cleaner (CAS mixture)		
Exposure Classification	Route and Species	LD ₅₀
Acute	Oral, rat	700 mg/kg (estimated)
Acute	Dermal, mouse	1,570 mg/kg (estimated)

^{*}Estimates for product may be based on additional component data not shown

Skin corrosion/irritation Can cause severe skin burns. Serious eye damage/ Can cause serious eye damage.

irritation

Respiratory sensitization Not considered a respiratory sensitizer.

Skin sensitization Not considered a skin sensitizer.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Not considered a carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not Listed.

Reproductive toxicity No data available.

Specific target organ toxicity

May cause damage to the upper respiratory tract with prolonged inhalation.

- single exposure

Specific target organ toxicity

- repeated exposure

No data available.

Aspiration hazard No data available.

12. Ecological information

Ecotoxicity				
Product Bowl Away Hi-Cid Bowl Cleaner (CAS mixture)				
Aquatic Receptor	Species	Test Thresholds		
Fish	Mosquito fish	>352 mg/L 48-hr (estimated)		
Fish	Western zebrafish	>960 mg/l (96-hr) (estimated		
*Estimates for product may be based on additional component data not shown				

Persistence and No data available. This product will not persist in an open aerobic environment

degradability

Bio-accumulative potential Not data available. Tis product will not accumulate in biological systems

Partition coefficient n-octanol/water (log Kow) Not available. Not applicable. This product in inorganic and fully water

soluble.

Mobility in soil No data available. Listed components are inorganic and highly water-soluble. In aqueous

medium, the listed chemical(s) will readily dissociate into ionic molecules that will be weakly adsorbed onto organic matter particles. These components are expected to exhibit

moderate to high mobility in saturated and semi-saturated soils.

Other adverse effects May be harmful to plants or wildlife in high concentrations due to severe pH effects

13. Disposal considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose

of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the

waste disposal company. As packaged, this product meets the criteria defining RCRA corrosive (D002) hazardous wastes when disposed. (40 CFR Part 261, Subpart C). Before selecting disposal method, ensure that the waste materials have been properly assessed

and, as necessary, tested to confirm regulatory status.

Waste from residues/unused

product

Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner.

(see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or

disposal. Since emptied containers may contain product residue, follow label warnings

even after container is emptied.

14. Transport information

USDOT

UN number UN1789,

UN proper shipping

name

Hydrochloric acid solution

Transport hazard

class(es)

Class 8
Subsidiary risk Packaging group II
Marine pollutant No

Special precautions for user

Read safety instructions, SDS, and emergency procedures before handling.

Fransport in bulk according to Not intended to be transported in bulk.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code DOT Label/Placard



15. Regulatory information

US federal regulations

SARA 302 Extremely hazardous substance Not listed.

SARA 304 Emergency release notification Not listed.

SARA 311/312 Hazard Categories

Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 313 (TRI reporting) Not listed.

California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to

threshold determination and Safe Harbor notification (12/2020)

16. Other information, including date of preparation or last revision

Issue date 2/11/2021

Revision date

Version # 1

HMIS® ratings Health: 3

Flammability: 0 Physical hazard: 1

NFPA ratings Health: 2

Flammability: 0 Instability: 1

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge,

and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified

by the text.

Revision information First issue.