

# Safety Data Sheet

ISSUE DATE: September 2013

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VERSION: 1

## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

**PRODUCT NAME** G-FORCE REGAL 42

### OTHER MEANS OF IDENTIFICATION

**Product Code**

**Recommended Uses** Low Acid Bowl Cleaner

### SDS-SUPPLIER INFORMATION

**SUPPLIER ADDRESS** Beshet Supply  
3600 West Jarvis Avenue  
Skokie, IL 60076

### EMERGENCY TELEPHONE NUMBER

**COMPANY PHONE NUMBER** (847) 679-2600  
**COMPANY FAX NUMBER**  
**24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)**  
**NORTH AMERICA** 1-800-633-8253  
**INTERNATIONAL** PERS 1-801-629-0667

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION

Skin corrosion/irritation Category 1B  
Serious eye damage/eye irritation Category 1  
Corrosive to Metals Category 1

**SIGNAL WORD:** Danger

### HAZARD STATEMENTS



**HAZARD STATEMENTS**

1. Causes severe skin burns and eye damage
2. Harmful if swallowed
3. May be corrosive to metals

**APPEARANCE** Blue opaque liquid

**PHYSICAL STATE** Liquid

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## PRECAUTIONARY STATEMENTS

<b>PREVENTION</b>	Do not breathe dust/fume/gas/ mist/ vapors/ spray Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Wear protective gloves/ protective clothing/ eye protection/ face protection
<b>RESPONSE</b>	Immediately call poison center or doctor/ physician
<b>IF SWALLOWED</b>	Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
<b>IF IN EYES</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician
<b>IF ON SKIN/HAIR</b>	Immediately remove all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse.
<b>IF INHALED</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician.
<b>IF EXPOSED/CONCERNED</b>	Get medical advice/ attention.
<b>STORAGE</b>	Store locked-up.
<b>DISPOSAL</b>	Dispose of contents/container to an approved waste disposal plant.
<b>HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)</b>	N/A
<b>OTHER INFORMATION</b>	N/A

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Hydrochloric acid	7647-01-0	5 - 10
Water	7732-18-5	90
Fragrance	N/A	< 1
Dye	N/A	< 1

## 4. FIRST-AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES

<b>GENERAL ADVICE</b>	Immediately call a POISON CENTER or doctor/physician.
<b>EYE CONTACT</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
<b>SKIN CONTACT</b>	Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.
<b>INHALATION</b>	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/ physician.
<b>INGESTION</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink 1-2 glasses of water. Immediate medical attention is required.

### POTENTIAL ACUTE HEALTH EFFECTS

*Most important symptoms and effects, both acute and delayed*

<b>SYMPTOMS</b>	Exposed individuals may experience eye tearing, redness and discomfort. Contact will cause irritation and redness to be exposed areas. May cause irritation to the mucous membranes and upper respiratory tract. May cause gastrointestinal tract irritation, nausea, vomiting, and diarrhea.
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**NOTES TO PHYSICIAN** Probable mucosal damage may contraindicate the use of gastric lavage.

## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**UNSUITABLE EXTINGUISHING MEDIA** None known

**SPECIFIC HAZARDS ARISING FROM CHEMICAL** Not determined

### PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/ NIOSH (approved and equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**PERSONAL PRECAUTIONS** Use personal protective equipment as required. Spills may be slippery.  
**ENVIRONMENTAL PRECAUTIONS** Avoid discharges into open waterways. Avoid discharge to soil.

### METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

**CONTAMINATION** Prevent further leakage or spillage is safe to do so  
Avoid runoff into storm sewers and ditches which lead to waterways.  
**CLEAN-UP** Prevent product from entering into stream, soil, storm sewer or other bodies of water.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**PROTECTIVE MEASURES** Handle in accordance with good industrial hygiene and safety practice.  
Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapor/spray. Do not eat, drink, or smoke when using this product. Use personal protection recommended in Section 8.

### CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

**STORAGE CONDITIONS** Keep containers tightly closed in a dry, cool, and well-ventilated place. Store locked up.  
**INCOMPATIBLE MATERIALS** Not determined

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrochloric acid	2 ppm	5 ppm	

**ENGINEERING CONTROLS** Apply technical measures to comply with the occupational exposure limits.

### INDIVIDUAL PROTECTION MEASURES

**EYE/FACE PROTECTION** Wear approved safety goggles.  
**SKIN/BODY PROTECTION** Wear rubber or neoprene gloves.  
**RESPIRATORY PROTECTION** Ensure adequate ventilation, especially in confined areas.  
**GENERAL HYGIENE** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Liquid
<b>APPERANCE</b>	Liquid
<b>COLOR</b>	Blue opaque
<b>ODOR</b>	Fresh
<b>ODOR THRESHOLD</b>	Not determined
<b>pH</b>	< 1.0
<b>MELTING POINT/FREEZING POINT</b>	32°F/ 0° C
<b>BOILING POINT/BOILING RANGE</b>	212°F/ 100° C
<b>FLASH POINT</b>	Non-Flammable
<b>EVAPORATION RATE</b>	No data available
<b>FLAMMABILITY (SOLID, GAS)</b>	N/A
<b>UPPER FLAMMABILITY LIMITS</b>	N/A
<b>LOWER FLAMMABILITY LIMITS</b>	N/A
<b>VAPOR PRESSURE</b>	20 mm Hg at (68°F)
<b>SPECIFIC GRAVITY</b>	1.035 grams/ml. at 20°C (68°F)
<b>RELATIVE DENSITY</b>	No data available
<b>WATER SOLUBILITY</b>	Completely soluble
<b>PARTITION COEFFICIENT</b>	Not determined
<b>N-OCTANOL/ WATER</b>	Not determined
<b>AUTO-IGNITION TEMPERATURE</b>	Not determined
<b>DECOMPOSITION TEMPERATURE</b>	Not determined
<b>VISCOSITY</b>	Water thin

## 10. STABILITY AND REACTIVITY

<b>REACTIVITY</b>	Not reactive under normal conditions
<b>CHEMICAL STABILITY</b>	Stable under recommended storage conditions
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>	None under normal processing
<b>CONDITIONS TO AVOID</b>	Keep out of reach of children
<b>INCOMPATIBLE MATERIALS</b>	Strong alkalis, reducing agents, chlorine bleach products; metals e.g. aluminum, brass, copper, iron.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

*Information on likely routes of exposure.*

<b>EYE CONTACT</b>	Causes severe eye damage.
<b>SKIN CONTACT</b>	Causes severe skin burns.
<b>INHALATION</b>	Avoid breathing vapors or mists.
<b>INGESTION</b>	May be harmful if swallowed.

## COMPONENT INFORMATION

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CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Hydrochloric acid	900 mg/kg (rat)	-	2134 mg/l (Rat), Aerosol

**SYMPTOMS** Please see section 4 of this SDS for symptoms.

**CARCINOGENICITY** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

**NUMERICAL MEASURES OF TOXICITY-PRODUCT** Not determined.

**THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT**

ATEMIX (ORAL) 1281 MG/KG  
ATEMIX (DERMAL) 27049 MG/KG

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY** This product is toxic to fish.

**PERSISTENCE AND DEGRADABILITY** Not determined  
**BIOACCUMULATION** Not determined  
**MOBILITY** Not determined  
**OTHER ADVERSE EFFECTS** Not determined

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

**WASTE DISPOSAL** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Small amounts (less than 1 gallon) may be diluted with copious amounts of water and disposed of into sanitary sewer.

**CONTAMINATED PACKAGING** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

## 14. TRANSPORT INFORMATION

### DOT

**UN/ ID No** UN1760  
**Proper Shipping Name** Compound, Cleaning Liquid  
**Hazard Class** 8  
**Packing Group** III

### IATA

**UN/ ID No** UN1760  
**Proper Shipping Name** Compound, Cleaning Liquid  
**Hazard Class** 8  
**Packing Group** III

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## IMDG

<b>UN/ ID No</b>	UN1760
<b>Proper Shipping Name</b>	Corrosive liquids, n.o.s. ( <i>Potassium hydroxide, sodium metasilicate</i> )
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

#### LEGEND

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(B) Inventory
<b>DSL/NDSL</b>	Canadian Domestic Substances List/Non-Domestic Substances List
<b>EINECS/ELINCS</b>	European Inventory of Existing/Notified Chemical Substances
<b>ENCS</b>	Japan Existing and New Chemical Substances
<b>IECSC</b>	China Inventory of Existing Chemical Substances
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances

## U.S. FEDERAL REGULATIONS

### SARA 313/312 HAZARD CATEGORIES

CHEMICAL NAME	CAS NO.	WEIGHT %	SARA 313-THRESHOLD VALUES %
Hydrochloric acid		5-10%	

### CLEAN WATER ACT (CWA)

CHEMICAL NAME	REPORTABLE QUANTITIES	TOXIC POLLUTANTS	PRIORITY POLLUTANTS	HAZARDOUS SUBSTANCES
Potassium hydroxide 1310-58-3	1000 LBS	--	--	X

CHEMICAL NAME	HAZARDOUS SUBSTANCES RQ	CERCLA/SARA RQ	REPORTABLE QUANTITY (RQ)
Hydrochloric acid	5000 LBS	5000 LBS	RQ 5000lb final RQ

## U.S. STATE REGULATIONS

### U.S. STATE RIGHT-TO-KNOW REGULATIONS

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Hydrochloric acid	X	X	X
Potassium hydroxide	X	X	X

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## 16. OTHER INFORMATION

<b>NFPA</b>	<b>HEALTH HAZARDS</b>	<b>FLAMMABILITY</b>	<b>INSTABILITY</b>	<b>SPECIAL HAZARDS</b>
	Not determined	Not determined	Not determined	Not determined
<b>HMIS</b>	<b>HEALTH HAZARDS</b>	<b>FLAMMABILITY</b>	<b>PHYSICAL HAZARDS</b>	<b>PERSONAL PROTECTION</b>
	Not determined	Not determined	Not determined	B

## DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. 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 relates 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 in the text.

**END OF SAFETY DATA SHEET**