Value Products Inc.
Chemical Compounding & Packaging

SDS

SAFETY DATA SHEET

Date prepared: May 4, 2017

Revision:
Supersedes:

1. Product and Company Identification

Company
VALUE PRODUCTS, INC.
2128 Industrial Drive
Stockton, CA 95206

24 Hour Emergency Response Information
CHEMTREC: (800) 424-9300

PRODUCT NAME: VASKA DE- IRON
CHEMICAL NAME: ACID – SURFACTANT BLEND
MANUFACTURED FOR:

PRODUCT CODE: 2352

2. Hazards Identification

EMERGENCY OVERVIEW: POISON, DANGER, CORROSIVE, Extremely hazardous liquid and vapor causes severe burns which may not be immediately painful or visible. May be fatal if swallowed or inhaled. Liquid and vapor can burn skin, eyes and respiratory tract causes bone damage. Reaction with certain metals generates flammable and potentially explosive hydrogen gas.

SIGNS AND SYMPTOMS OF EXPOSURE (SKIN, EYE CONTACT; INHALATION; INGESTION)

EYE CONTACT : Severe irritation and possible tissue burns, permanent eyes damage, or blindness.

INHALATION : Causes irritation to throat and respiratory tract. A burning sensation in the nose, throat as well as coughing and choking may be noted. Continued deep inhalation may damage lung tissues.

INGESTION : Ingestion causes severe swelling and severe damage to the delicate tissue and danger of perforation.

SKIN CONTACT : Can cause severe burns with deep ulceration and permanent scarring . It can penetrate to deeper layers of skin and corrosion will continue until removed. The severity of injury depends on the duration of exposure.

3. Composition/ Information on Ingredients

MATERIAL (BASED ON 100% FORMULA LEVEL)	CAS#	% WEIGHT
AMMONIUM BIFLUORIDE	1341-49-7	< 7 %
HYDROFLUOROSILICIC ACID	16961-83-4	< 51 %

4. First Aid Measures

EYE CONTACT : Immediately and imperatively flush eyes with lots of running water for at least 15 minutes, lifting the upper and lower eyelids to ensure flushing of the entire surface. Prompt medical attention is essential.

INHALATION : Remove to fresh air. Get medical attention as soon as possible.

INGESTION : If swallowed never give anything by mouth to an unconscious person. Do not induce vomiting. Give large quantities of milk, milk of magnesia, raw eggs or water to drink followed by vegetable or mineral oil. Seek medical attention.

SKIN CONTACT : Wash skin with lots of soap and water. Remove contaminated clothing and shoes. Wash before reuse. If irritation occurs and persists, seek medical attention as needed.

NOTE TO PHYSICIAN:

GENERAL: For burns of moderate areas, (greater than 8 square inches), ingestion and significant inhalation exposure, severe systemic effects may occur, and admission to a critical care unit should be considered. Monitor and correct for hypocalcemia, cardiac arrhythmias, hypomagnesemia and hyperkalemia. In some cases renal dialysis may be indicated.

INHALATION: Treat as chemical pneumonia. Monitor for hypocalcemia, 2.5% calcium gluconate in normal saline by nebulizer or by ippb with 100% oxygen may decrease pulmonary damage. Bronchodilators may also be administered.

SKIN: For deep skin burns or contact with concentrated hf (over 50%) solution, consider infiltration about the affected area with 5% calcium gluconate (equal parts of 10% calcium gluconate and sterile saline for injection). Burns beneath the nail may require splitting the nail and application of calcium gluconate to the exposed nail bed. For certain burns, especailly of the digits, use of intra-arterial calcium gluconate may be indicated.

EYES: Irrigation may be facilitated by use of morgan lens or similar ocular irrigator, using 1% aqueous calcium gluconate solution (50ml of calcim gluconate 10% in 500ml normal saline).

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5. Fire Fighting Measures

FIRE FIGHTING METHOD: Move container from fire area if it can be done without risk. Cool containers with water. Avoid contact with skin and wear NIOSH approved breathing apparatus.
EXTINGUISHING MEDIA: Water spray, foam, carbon dioxide maybe used.
UNUSUAL FIRE OR EXPLOSIVE HAZARD: None known.

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6. Accidental Release Measures

PERSONAL PRECAUTIONS: Isolate area. Keep unnecessary personnel away.

ENVIRONMENTAL PRECAUTIONS: Keep out of sewers, storm drains, and waterways.

CLEAN-UP PROCEDURES: Only trained and properly protected personnel should be involved in spill clean-up operations. Wear alkaline-resistant suit and complete protective equipment; rubber gloves, rubber boots, and chemical goggles. Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place material in sealable waste containers for disposal.

RECOMMENDED WASTE DISPOSAL METHOD: The materials resulted from the clean-up operation may be hazardous, therefore, are subjected to specific regulations. Dispose of in accordance with all applicable Federal, State and Local regulations. Ensure that all applicable agencies receive proper notification of spill and disposal methods.

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7. Handling and Storage

HYGIENIC PRCTICES IN HANDLING AND STORING: Wash thoroughly after handling. Avoid body contact.

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: Store in original container at cool, dry, well ventilated areas. Avoid any contamination to food lines. Away from strong bases.

DISPOSAL OF EMPTY CONTAINER: Empty containers should be tripled rinsed with water and disposed of pursuant to Local, State, and Federal requirements.

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8. Exposure Controls / Personal Protection

RESPIRATORY PROTECTION : NIOSH approved respirator for organic/ acid vapors/ mists.
NIOSH- MSHA approved self- contained breathing apparatus is recommended if vapors level exceeds TLV.
EYE PROTECTION : Safety Goggles or Full face shield.
PROTECTIVE CLOTHING : Rubber gloves, Boots, Full length clothing, safety shoes.
VENTILATION : Local exhaust
OTHER PROTECTIVE MEASURES: Eyewash fountain and safety shower should be nearby and ready for use.

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9. Physical and Chemical Properties

BOILING POINT: >200 ^{0}F
FREEZING/MELTING POINT: Unknown
VAPOR PRESSURE: (AIR=1): >1
EVAPORATION RATE (WATER =1): >1
PH CONCENTRATE: 3.50 *+/- 0.2*
SPECIFIC GRAVITY: 1.125 *+/-0.2*
SOLUBILITY IN WATER: Complete
FLASH POINT: Non-combustible *METHOD USED:* Koehler *CC*
VAPOR DENSITY: Unknown
VISCOSITY: 25 CPS @ 68 ^{0}F
DESCRIPTION: Colorless fuming liquid.

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10. Stability and Reactivity

STABILITY: Stable
INCOMPATIBILITY (MATERIALS TO AVOID): React violently with strong alkalies. Contact with reactive metals such as aluminum to produce flammable/ explosive hydrogen air mixture.
POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Flame temperature.
HAZARDOUS DECOMPOSITION: Unknown.

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11. Toxicological Information

ROUTES OF ENTRY: Absorbed through skin. Inhalation. Ingestion.
CARCINOGEN: There is no evidence this product poses a carcinogenic risk under normal conditions of handling or use.

ACUTE EYE IRRITATION: Unknown
ACUTE SKIN IRRITATION: Unknown
ACUTE DERMAL TOXICITY: Unknown
ACUTE RESPIRATORY IRRITATION: Unknown
ACUTE INHALATION TOXICITY: Unknown
ACUTE ORAL TOXICITY: Unknown
CHRONIC TOXICITY: Unknown

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12. Ecological Information

ECO-TOXICOLOGICAL INFORMATION: Unknown
CHEMICAL FATE INFORMATION: Unknown

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13. Disposal Considerations

Recommended Waste disposal method:
Dispose of in accordance with all applicable Federal, State and Local regulations. Ensure that applicable agencies receive proper notification of spills and disposal methods.
Container disposal:
Empty containers should be tripled rinsed with water and disposed of pursuant to Local, State, and Federal requirements.

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14. Transport Information

ID NUMBER: UN 3264
PROPER SHIPPING NAME: Corrosive Liquid, Acidic Inorganic, N.O.S. (Fluorosilicic Acid & Ammonium Bifluoride)
HAZARD CLASS: 8
PACKING GROUP: II

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15. Regulatory Information

Federal Regulations: Ammonium Bifluoride TSCA 8(b) Inventory: Ammonium Bifluoride CERCLA: Hazardous substances.

State Regulations: Ammonium Bifluoride TSCA 8(b) Inventory: Ammonium Bifluoride CERCLA: Hazardous substances

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16. Other Information

THE INFORMATION CONTAINED HEREIN, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, IS ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.