Value Products Inc.
Chemical Compounding & Packaging

SDS

SAFETY DATA SHEET

Date prepared: December 17, 2014

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: ZAP
CHEMICAL NAME: SOLVENT - SURFACTANT BLEND
MANUFACTURED FOR:

PRODUCT CODE: 2201

2. Hazards Identification

Emergency overview: WARNING. Can cause severe burns to skin, eyes and mucous membranes.

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

EYE CONTACT : Causes irritation, redness, tearing.

INHALATION : Excessive inhalation of vapor can cause headache and nausea.

INGESTION : Can cause nausea, vomiting and gastrointestinal upset.

SKIN CONTACT : Irritation to sensitive skin upon prolonged contact.

3. Composition/ Information on Ingredients

Substances listed in this section are those indentified as being present at a concentration of 1% or greater, or 0.1% if the substance is on the list of potential carcinogens cited in OSHA Hazard Communication Standard.

MATERIAL	CAS#	% BY WEIGHT
SODIUM HYDROXIDE	1310-73-2	< 1 %
ETHYLENE GLYCOL MONO-BUTYL ETHER	000111-76-2	< 6 %

4. First Aid Measures

EYES: Immediately flush eyes with a directed stream of water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. Get medical attention immediately.

INGESTION: If swallowed, DO NOT induce vomiting. If victim is fully conscious, give large quantities of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SKIN CONTACT: Immediately flush skin with plenty of clean running water, while removing contaminated clothing and shoes. If skin burn or irritation occurs, get medical attention.

INHALATION: Remove to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel.

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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: Use extinguishing agents appropriate for surrounding fire.
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 PRACTICES IN HANDLING AND STORING: Wash hands thoroughly after handling.

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: Store in cool, dry, ventilated areas.

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

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8. Exposure Controls / Personal Protection

RESPIRATORY PROTECTION: If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH respiratory protection must be provided.

EYE PROTECTION: Chemical safety goggles and face shield to protect against skin contact when appropriate.

PROTECTIVE CLOTHING: Rubber gloves, rubber boots and full length clothing.

VENTILATION: Provide local exhaust ventilation.

OTHER PROTECTIVE MEASURES: Eyewash fountain and safety shower are recommended.

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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: 13 *+/- 0.5*
SPECIFIC GRAVITY: 1.015 *+/-0.2*

SOLUBILITY IN WATER: Complete
FLASH POINT: Non-combustible *METHOD USED:* Koehler *CC*
VAPOR DENSITY: Unknown
VISCOSITY: 25 cps @ 68°F
DESCRIPTION: Clear light orange solution, butyl odor.

10. Stability and Reactivity

STABILITY: Stable
INCOMPATIBILITY (MATERIALS TO AVOID): Avoid mixing of this material with strong acids or oxidizers. Also avoid metals such as aluminum, tin, galvanized, zinc, brass, and bronze.
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Excessive heat and contamination.
HAZARDOUS DECOMPOSITION: Unknown.

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

12. Ecological Information

ECO-TOXICOLOGICAL INFORMATION: Unknown
CHEMICAL FATE INFORMATION: Unknown

13. Disposal Considerations

Waste disposal substance:
Do not discharge product into sewer system, storm drains or waterways. Dispose of in accordance with all applicable Federal, State and Local regulations.

Container disposal:
Empty containers should be tripled rinsed with water and disposed of pursuant to Local, State, and Federal requirements.

14. Transport Information

Not considered hazardous by US DOT

15. Regulatory Information

Federal Regulations: None Known

State Regulations: California Proposition 65- This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

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.