



TECHNICAL ASSISTANCE CORPORATION

SAFETY DATA SHEET

Revision Date: 9/2/2014

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name: **Fast Fish**
 Product Code: VMCFF
 Product Use: Rinse-Aid
 Manufacturer: Mar-TekIndustries
 Address: 301 Industrial Drive, Forney Texas 75126
 Phone: (214) 350-9401
 Emergency Telephone No.: ChemTel Inc. (800) 255-3924 and +1(813) 248-0573

SECTION 2: Hazards Identification

Classification of substance or mixtures:

Flammable liquids Category 2
 Eye irritation Category 2
 STOT Category 3

Signal word:
 Pictogram

DANGER!



GHS Label elements, including hazards and precautionary statements:

Hazard statements

H225 Highly flammable liquid and vapour
 H319 Causes serious eye irritation
 H336 May cause drowsiness or dizziness

Precautionary statements:

Prevention: P210 Keep away from heat/sparks/open flames/hot surfaces-No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P261 Avoid breathing dust/fumes/gas/mists/vapour/spray
 P264 Wash hands thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face Protection

Response:

- P303+361+353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P370+378 In case of fire: (Refer Section 5)
- P332+313 If skin irritation occurs: Get medical advice/attention.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
- P337+313 If eye irritation persists: Get medical advice/attention.
- P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call POISON CENTER/doctor/physician if you feel unwell.

Storage:

- P403+235 Store in a well-ventilated place. Keep cool.
- P403+233 Store in well-ventilated place. Keep container tightly closed.
- 405 Store locked up.

Disposal

- P501 Dispose in accordance to local/regional/ national/international regulations.

SECTION 3: Composition/Information on Ingredients

Chemical Names	Common Names	CAS No.	Contents %	GHS Classification
Isopropyl Alcohol	Isopropanol	67-63-0	> 5	Flam. Cat 2 Eye Irr Cat 2 STOT 3
Other non hazardous component			97%	

SECTION 4: First aid measure

General Advice: CALL POISON CENTER doctor/physician if you feel unwell.

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Consult doctor or physician if irritation persists.

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call POISON CENTER or doctor/physician if you feel unwell.

Skin: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs call doctor/physician.

Ingestion: DO NOT induce vomiting. Do not anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Flammable liquid. Use alcohol foam, carbon dioxide, or water spray when fighting fires with this material. Cool containers with water.

Unsuitable extinguishing media: Do not use water jet.

Special protective equipment and precautions for fire fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Special action for fire fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken

Involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Hazardous thermal decomposition of the product: Decomposition products may include the following materials: carbon dioxide carbon monoxide

Specific hazards arising from the chemical: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

SECTION 6: Accidental release measures

Personal precaution, protective equipment and emergency procedures: See section 8 for recommendation on the use of personal protective equipment.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up:

Containment: Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute/disperse combustible gas/vapour with water curtain. Provide equipment/receptacles with earthling. Do not use compressed air for pumping over spills.

Method of cleaning up: Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

SECTION 7: Handling and storage

Precaution for safe handling: Keep container closed. Handle open containers with care. Store in a cool, well-ventilated place away from incompatible materials.

Conditions for safe storage, including any incompatibilities: Do not store near an open flame, heat or other sources of ignition. Protect material from direct sunlight. This material is not a static accumulator but use proper grounding procedures. Do not pressurize, cut heat or weld containers. Empty product containers may contain residual product. Do not reuse empty containers without commercial cleaning or reconditioning.

SECTION 8: Exposure controls/personal protection

Engineering controls: Provide local exhaust or general dilution ventilation to keep airborne levels below the permissible exposure limit.

Occupational exposure controls: Ventilation and appropriate grounding of containers.

Component	Exposure Limit	Basis	Entity
Isopropyl alcohol	200ppm	TWA	ACGIH
	200 ppm	STEL	ACGIH
	980mg/m3	PEL	OSHA
	400ppm	PEL	OSHA
	400ppm	REL	NOISH
	500ppm	STEL	NIOSH

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges

as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU) Maintain eye wash fountain and quick-drench facilities in work area.

Skin and body protection: Wear impervious, flame retardant, antistatic protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Other recommendation: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. Have supplies and equipment for neutralization and running water available.

SECTION 9: Physical and chemical properties

Appearance

Physical state: Liquid
Color: Clear pale amber

Odor: alcoholic
Odor threshold: Not available

pH: 7-8
Specific Gravity: 0.97

Melting point/freezing point: Not determined

Initial boiling point/boiling range: Not determined

Flash point: Not flammable

Evaporation rate: Not available

Flammability (solid, gas) Not flammable

Upper/Lower flammability or explosive limits

Flammability limit-lower (%): Not explosive

Flammability limit-upper (%): Not explosive

Vapor pressure: Not determined

Vapor density: Not determined

Solubility (ies): Infinite

Partition coefficient

(n-octanol/water): Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

VOC content: Not applicable

SECTION 10: Stability and reactivity

Chemical stability: Stable

Possibility of hazardous reactions: Vapor may form explosive mixture with air.

Condition to avoid: Heat, flames, and sparks. Extreme temperature and direct sunlight.

Hazardous decomposition: Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

Information on likely route and sign and symptoms of exposure

Ingestion: Nausea, vomiting and central nervous system depression.

Inhalation: Coughing, wheezing, headache, disorientation, blurred vision, dizziness, fatigue or nausea.

Skin contact: Burning, itching, redness. May be harmful if absorbed through skin.

Eye contact: Redness, excessive blinking and watering of the eyes.

Potential health effect

Eyes	Irritation and burns
Inhalation	Nose and throat irritation with coughing and wheezing, Headache, dizziness, confusion, loss of coordination, unconsciousness, and death.
Skin	Irritation and burns.
Chronic toxicity	Damage to organs
Teratogenicity	Not available
Mutagenicity	Not available
Embryotoxicity	Not available
Serious corrosion/irritation:	Not available
Serious eye damage/irritation:	Not available
Acute toxicity	
Skin:	LD50 Dermal-Rabbit-12, 800mg/kg
Eyes:	Eye-rabbit-eye irritation-24h
Respiratory:	LD50 inhalation-rat-8h-16,000ppm
Ingestion:	LD50- Oral-Rat-5,045 mg/kg
Carcinogenicity	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARCH.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: Ecological information

Ecotoxicity:

Aquatic vertebrate	LC50-pimephales promelas (fathead minnow) 9,640mg/l in 96 h
Aquatic invertebrate	EC50-daphnia magna (water flea) 5,102mg/l in 24 h
Terrestrial	Not available
Persistence and degradability	Not available
Bio-accumulative potential	Not available
Mobility in soil	Not available
PBT and vPVB Assessment	Not available
Other adverse effects	Not available

SECTION 13: Disposal consideration

Waste disposal method: Dispose of in accordance with federal, state, and local regulations.

SECTION 14: Transportation information

US Department Of Transportation
 Shipping Name: NOT REGULATED
 Hazard Class:
 UN Number:
 Packaging Group:
 Label statement:
 Marine pollutant:

SECTION 15: Regulatory information

TSCA inventory status
SARA 313

All ingredients are listed on the TSCA inventory
Listed as toxic chemical

SECTION 16: Other information

Revision Date: 9/02/2014

Revision was made in sections: General revision

NFPA Ratings

Health	1
Flammability	3
Reactivity	0
Specific Hazard	N/A

Abbreviation and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service
CEIL	Ceiling
DOT	Department of Transportation
HMIS	Hazardous Materials Identification System
IDLH	Immediate Dangerous to Life or Health
NA	Not Applicable
NE	Not Established
NIOSH	National Institute of Occupational Safety and Health
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
REL	Recommended Exposure Limit
SARA	Superfund amendments and Reauthorization Act
STEL	Short Term Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Material Information System
WEEL	Workplace Environmental Exposure Levels

Disclaimer: Mar-Tek industries provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This documentation is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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