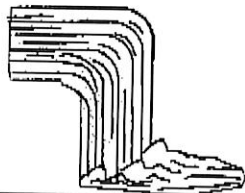


Conforms to Hazcom 2012/United States

SAFETY DATA SHEET**Section 01. Identification****Product Trade Name:** *Aqua Flow Lubricants*®**Product code:** *VA-SPECIAL 10**AQ-VASP10*NSF H-1 Registration
number. 136491Relevant identified uses of the substance or mixture and uses advised against**Manufacturer:**

Astra Industrial Services Inc.
3525 Old Conejo Road Suite #104
Newbury Park, California 91320
(805) 499-8729 Fax (805) 499-9084

Emergency**telephone number.**

Non-Listed because of no known hazardous substance or mixtures.

Section - 02 . Hazards Identification**OSHA/HCS STATUS:**

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910, 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the**substance or mixture:** Not classified**GHS Label elements****Signal word:** No signal word**Hazard statements:** No known significant effects or critical hazards.**Precautionary statements****Prevention:** Not applicable**Response:** Not applicable**Storage:** Not applicable**Disposal:** Not applicable**Hazards not otherwise****classified:** None known**Section 3. Composition/information on ingredients****Substance/mixture:** Mixture**Other means of identification:** Not available**CAS number/other identifiers****CAS number:** Not Applicable**Product Code:** AQ-VASP10

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section - 04 First aid measures

Description of necessary first aid measures

- Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact:** Flush contaminated skin with plenty of soap and water. Get medical attention if symptoms occur.
- Ingestion:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Treat as purified mineral oil ingestion.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact:** No known significant effects or critical hazards.
- Inhalation:** No known significant effects or critical hazards.
- Skin contact:** No known significant effects or critical hazards.
- Ingestion:** No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact:** No known significant effects or critical hazards.
- Inhalation:** No known significant effects or critical hazards.
- Skin contact:** No known significant effects or critical hazards.
- Ingestion:** No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to Physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments:** No specific treatment.
- Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section - 05 Fire-fighting measures

Extinguishing media

- Suitable extinguishing media:** Use dry chemical, Co2, water spray (fog) or foam.
- Unsuitable extinguishing media:** None known
- Specific hazards arising from the chemical:** No specific fire or explosion hazard.
- Hazardous thermal decomposition products:** Decomposition products may include the following materials:
- carbon dioxide
 - carbon monoxide
 - halogenated compounds
 - metal oxide/oxides

Special protective actions and equipment for fire fighters:

Promptly remove all persons from vicinity of incident if there is a fire. Fire-fighters should wear protective equipment and self-contained breathing apparatus. No action shall be taken involving any personal risk, or without suitable training.

Section - 06 Accidental release measures

Personal precaution, protective equipment and emergency procedures

For non-emergency personnel: Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator and protective clothing when ventilation is inadequate.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water. Any type of citrus cleaner may be used, mop up or use towels to remove product. Alternatively, if water-insoluble, absorb with an inert dry material and dispose in appropriate container.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain spillage with non-combustible absorbent material, e.g., Sand, Earth, vermiculite or diatomaceous earth. Place in container for disposal. Note: see Section 13 for waste disposal.

Section - 07 Handling and storage

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene: Eating, drinking should be prohibited in areas where this is handled, stored. Workers should wash hands and face before working with product. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any Incompatibilities: Store in accordance with local regulations. Store in original container, protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10), and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Section - 08 Exposure controls/personal protection

Control parameters

Occupational exposure limits: None

Appropriate engineering controls: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures: Before and after wash hands, forearms and face thoroughly after handling chemical products during a working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Section - 08 (continued)

- Eye/face protection:** Safety eye-wear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible wear glasses.
- Skin protection**
- Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection:** Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the respirator.

Section - 09 Physical and chemical properties**Appearance**

Physical State:	Semi-solid	Color:	Translucent white
Odor:	Mild	Odor threshold:	Not available
pH:	Not available	Melting point:	Not available
Boiling point:	Not available	Flash point:	Open cup: (Cleveland) 232.2°C (450°F)
Burning time:	Not applicable	Burning rate:	Not applicable
Evaporation rate:	Not available	Flammability (solid, gas):	Not available
Lower & upper explosive limits: (Flammable)	Not available	Vapor pressure:	Not available
Vapor density:	Not available	Relative density:	0.93 g/ml
Solubility:	Insoluble in water	Solubility in water:	Insoluble
Partition coefficient: noctanol/water:	Not available	Auto-ignition Temp.:	Not available
Decomposition temperature:	Not available	SADT:	Not available
Viscosity:	Not available		

Section - 10 Stability and reactivity

- Reactivity:** No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability:** The product is stable.
- Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid:** Do not heat above flash point.
- Incompatible materials:** Reactive or incompatible with the following materials; Welding, oxidizing materials.
- Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section - 11 Toxicological information

Information on toxicological effects

Acute toxicity: There is no data available.
Irritation/Corrosion: There is no data available.
Sensitization: There is no data available.

Mutagenicity: There is no data available.

Carcinogenicity: There is no data available.

Reproductive toxicity: There is no data available.

Teratogenicity: There is no data available.

Specific target organ toxicity (single exposure): There is no data available.

Specific target organ toxicity (repeated exposure): There is no data available.

Aspiration hazard: There is no data available.

Information on the likely routes of exposure Dermal contact, Eye contact, inhalation. Ingestion.

Potential acute health effects

Eye contact: No known significant effects or critical hazards.
Inhalation: No known significant effects or critical hazards.
Skin contact: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: No known significant effects or critical hazards.
Inhalation: No known significant effects or critical hazards.
Skin contact: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.

Delayed and immediate effect and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects: No known significant effects or critical hazards.
Potential delayed effects: No known significant effects or critical hazards.

Long term exposure

Potential immediate effects: No known significant effects or critical hazards.
Potential delayed effects: No known significant effects or critical hazards.

Section - 11 (continued)**Potential chronic health effects**

General: No known significant effects or critical hazards.
Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Teratogenicity: No known significant effects or critical hazards.
Developmental effects: No known significant effects or critical hazards.
Fertility effects: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates: There is no data available.

Section - 12 Ecological information

Toxicity: There is no data available.

Persistence and degradability: There is no data available.

Bio accumulative potential: There is no data available.

Mobility in soil

Soil/water partition coefficient (k_{oc}): Not available.

Other adverse effects: No known significant effect or critical hazards.

Section - 13 Disposal considerations

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section - 14 Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No	No	No
Additional information	-	-	-

AERG: Not applicable.

Section - 14 (continued)**Special precautions for****user:**

Transport within user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

Not available.

Section - 15 Regulatory information**U.S. Federal regulations:**

TSCA 4(a) final test rules: Polytetrafluoroethylene

TSCA 8(a) CDR Exempt/Partial exemption: Not determined.

TSCA 12(b) one-time export: Polytetrafluoroethylene

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112(b)

Hazardous air Pollutants

(HAPs):

Not listed

Clean air Act Section 602

Class I Substances:

Not listed

Clean Air Act Section 602

Class II substances:

Not listed

DEA List I Chemicals

(Precursor Chemicals):

Not listed

DEA List II Chemicals

(Essential Chemicals):

Not listed

SARA 302/304

Composition/information on ingredients: No products were found.

SARA 304 RO:

Not applicable.

SARA 311/312

Classification:

Not applicable

State regulations

Massachusetts:

None of the components are listed.

New York:

None of the components are listed.

New Jersey:

None of the components are listed.

Pennsylvania:

The following components are listed: Polytetrafluoroethylene

California Prop. 65

No products were found.

International regulations

International lists:

Australia inventory (AICS):

All components are listed or exempted.

China inventory (IECSC):

All components are listed or Exempted.

Japan inventory:

Not determined.

Korea inventory:

All components are listed or exempted.

Malaysia inventory (EHS Register): Not determined.

New Zealand Inventory of

Chemicals (NZIoC):

All components are listed or exempted.

Philippines inventory (PICCS):

All components are listed or exempted.

Chemical Weapons

Convention List Schedule I

Chemicals: Not listed

Chemical Weapons

Convention List Schedule II

Chemicals: Not listed

Chemical Weapons

Convention List Schedule III

Chemicals: Not listed

Section - 16 Other information

Hazardous Material Information System (U.S.A.)

Flammability: 1
Physical hazards 0

Caution: HMIS ratings are based on a 0-4 rating scale, with (0) representing minimal hazards of risks, and (4) representing significant hazards of risks.

The customer is responsible for determining the Personal Protection equipment for this material.

National Fire Protection Association (U.S.A.)

Health 0
Flammability 1
Physical hazards 0

History

Date of issue mm/dd/yyyy 06/15/2015

Version 1

Revised Sections(s) Not applicable

Key to abbreviations

ATE=Acute Toxicity Estimate

BCF=Bioconcentration Factor

GHS= Globally Harmonized System of Classification and Labeling of Chemicals.

IATA=International Air Transport Association

IMDG=International Maritime Dangerous Goods

LogPow=logarithm of the octanol/water partition coefficient

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The product below has been used for several decades without any known incident in its application.

Product Trade Name: *Aqua Flow Lubricants*[®]
Product code: VA-SPECIAL 10
AQ-VASP10