# Mars (Mars Fishcare)Chemwatch Hazard Alert Code: 0Chemwatch: 22-0927Issue Date: 06/27/2017Version No: 21.1.1Print Date: 06/24/2019Safety Data Sheet according to OSHA HazCom Standard (2012) requirementsL.GHS.USA.EN

#### **SECTION 1 IDENTIFICATION**

#### **Product Identifier**

Product name	API Turtle Water Conditioner (Turtle Water Conditioner)
Synonyms	ID 3502
Other means of identification	Not Available

## Recommended use of the chemical and restrictions on use

Relevant identified uses	Use according to manufacturer's directions.
	For product JN-360B and JN-360C.

#### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	Mars (Mars Fishcare)
Address	3250 East 44th Street Vernon California 90058 United States
Telephone	+1 213 587 2727
Fax	+1 213 586 8347
Website	Not Available
Email	Not Available

## **Emergency phone number**

Association / Organisation	Not Available
Emergency telephone numbers	Not Available
Other emergency telephone numbers	Not Available

#### **SECTION 2 HAZARD(S) IDENTIFICATION**

#### Classification of the substance or mixture

NFPA 704 diamond



Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification	Not Applicable
Label elements	
Hazard pictogram(s)	Not Applicable
SIGNAL WORD	NOT APPLICABLE
SIGNAL WORD	

#### Hazard statement(s)

Not Applicable

## Hazard(s) not otherwise classified

Not Applicable

## Precautionary statement(s) Prevention

Not Applicable

## Precautionary statement(s) Response

Not Applicable

## Precautionary statement(s) Storage

Not Applicable

## Precautionary statement(s) Disposal

Not Applicable

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### Substances

See section below for composition of Mixtures

#### **Mixtures**

CAS No	%[weight]	Name
7558-80-7	0.319	sodium phosphate, monobasic, anhydrous
Not Available	0.1024	actiphyte of japanese green tea
31512-74-0	0.101	dimethyliminoethylene dichloride, ethoxylate
7558-79-4	0.0925	sodium phosphate, dibasic
Not Available	0.004	yellow food color
67-03-8	0.001	thiamine hydrochloride
7732-18-5	99.38	water

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

#### **SECTION 4 FIRST-AID MEASURES**

#### Description of first aid measures

Eye Contact	<ul> <li>If this product comes in contact with eyes:</li> <li>Wash out immediately with water.</li> <li>If irritation continues, seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
Skin Contact	<ul> <li>If skin or hair contact occurs:</li> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>
Inhalation	<ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>
Ingestion	<ul> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>

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

See Section 11

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5 FIRE-FIGHTING MEASURES

#### Extinguishing media

The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas.

Though the material is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances.

In such an event consider:

- In foam.
- dry chemical powder.
- carbon dioxide.

## Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

## Special protective equipment and precautions for fire-fighters

Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves in the event of a fire.</li> <li>Prevent, by any means available, spillage from entering drains or water courses.</li> <li>Use fire fighting procedures suitable for surrounding area.</li> <li>DO NOT approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> <li>Equipment should be thoroughly decontaminated after use.</li> </ul>
Fire/Explosion Hazard	<ul> <li>The material is not readily combustible under normal conditions.</li> <li>However, it will break down under fire conditions and the organic component may burn.</li> <li>Not considered to be a significant fire risk.</li> <li>Heat may cause expansion or decomposition with violent rupture of containers.</li> <li>Decomposes on heating and may produce toxic fumes of carbon monoxide (CO).</li> <li>May emit acrid smoke.</li> </ul>

## SECTION 6 ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

See section 8

#### **Environmental precautions**

See section 12

#### Methods and material for containment and cleaning up

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Minor Spills	<ul> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Contain and absorb spill with sand, earth, inert material or vermiculite.</li> <li>Wipe up.</li> <li>Place in a suitable, labelled container for waste disposal.</li> </ul>
Major Spills	<ul> <li>Minor hazard.</li> <li>Clear area of personnel.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Control personal contact with the substance, by using protective equipment as required.</li> <li>Prevent spillage from entering drains or water ways.</li> <li>Contain spill with sand, earth or vermiculite.</li> <li>Collect recoverable product into labelled containers for recycling.</li> <li>Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal.</li> <li>Wash area and prevent runoff into drains or waterways.</li> <li>If contamination of drains or waterways occurs, advise emergency services.</li> </ul>

Personal Protective Equipment advice is contained in Section 8 of the SDS.

## SECTION 7 HANDLING AND STORAGE

## Precautions for safe handling

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Safe handling	<ul> <li>Limit all unnecessary personal contact.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Avoid contact with incompatible materials.</li> <li>When handling, DO NOT eat, drink or smoke.</li> <li>Keep containers securely sealed when not in use.</li> <li>Avoid physical damage to containers.</li> <li>Always wash hands with soap and water after handling.</li> </ul>

	<ul> <li>Work clothes should be laundered separately.</li> <li>Use good occupational work practice.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> <li>Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.</li> </ul>
Other information	<ul> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> <li>Store in a cool, dry, well-ventilated area.</li> <li>Store away from incompatible materials and foodstuff containers.</li> <li>Protect containers against physical damage and check regularly for leaks.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>

## Conditions for safe storage, including any incompatibilities

Suitable container	<ul> <li>Polyethylene or polypropylene container.</li> <li>Packing as recommended by manufacturer.</li> <li>Check all containers are clearly labelled and free from leaks.</li> </ul>
Storage incompatibility	Avoid contamination of water, foodstuffs, feed or seed. None known

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

## **Control parameters**

## OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA

Not Available

#### EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
API Turtle Water Conditioner (Turtle Water Conditioner)	Not Available	Not Available	Not Available	Not Available
Ingredient	Original IDLH		Revised IDLH	
sodium phosphate, monobasic, anhydrous	Not Available		Not Available	
dimethyliminoethylene dichloride, ethoxylate	Not Available		Not Available	
sodium phosphate, dibasic	Not Available		Not Available	
thiamine hydrochloride	Not Available		Not Available	
water	Not Available		Not Available	

MATERIAL DATA

#### **Exposure controls**

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Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard engineering controls can be highly effective in protecting workers and will typically be independent of to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the riss Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remo contaminant if designed properly. The design of a ventilation system must match the particular pro- contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wea respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in ware storage areas. Air contaminants generated in the workplace possess varying "escape" velocities wh the "capture velocities" of fresh circulating air required to effectively remove the contaminant.	of worker interactions k. In the worker and ve or dilute an air cess and chemical or r SAA approved shouse or closed
	Type of Contaminant:	Air Speed:
	solvent, vapours, degreasing etc., evaporating from tank (in still air)	0.25-0.5 m/s (50-100 f/min)

Personal protection

## API Turtle Water Conditioner (Turtle Water Conditioner)

aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)	0.5-1 m/s (100-200 f/min.)
direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)	1-2.5 m/s (200-500 f/min)
grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).	2.5-10 m/s (500-2000 f/min.)

Within each range the appropriate value depends on:

Lower end of the range	Upper end of the range
1: Room air currents minimal or favourable to capture	1: Disturbing room air currents
2: Contaminants of low toxicity or of nuisance value only	2: Contaminants of high toxicity
3: Intermittent, low production.	3: High production, heavy use
4: Large hood or large air mass in motion	4: Small hood - local control only

Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.

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Eye and face protection	<ul> <li>Safety glasses with side shields</li> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> </ul>
Skin protection	See Hand protection below
Hands/feet protection	<ul> <li>Wear general protective gloves, eg. light weight rubber gloves.</li> <li>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</li> <li>The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and.has to be observed when making a final choice.</li> <li>Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.</li> <li>Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include: <ul> <li>frequency and duration of contact,</li> <li>chemical resistance of glove material,</li> <li>glove thickness and</li> <li>dexterity</li> </ul> </li> <li>Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent).</li> <li>When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended.</li> <li>When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended.</li> <li>Some glove polymer types are less affected by movement and this should be taken into account when considering gloves should be replaced.</li> <li>As defined in ASTM F-739-96 in any application, gloves are rated as: <ul> <li>Excellent when breakthrough time &gt; 20 min</li> <li>Good when breakthrough time &gt; 20 min</li> <li>Poor when glove material degrades</li> </ul></li></ul>

	It should be emphasised that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material. Therefore, glove selection should also be based on consideration of the task requirements and knowledge of breakthrough times. Glove thickness may also vary depending on the glove manufacturer, the glove type and the glove model. Therefore, the manufacturers' technical data should always be taken into account to ensure selection of the most appropriate glove for the task. Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example: <ul> <li>Thinner gloves (down to 0.1 mm or less) may be required where a high degree of manual dexterity is needed. However, these gloves are only likely to give short duration protection and would normally be just for single use applications, then disposed of.</li> <li>Thicker gloves (up to 3 mm or more) may be required where there is a mechanical (as well as a chemical)</li> </ul>
	risk i.e. where there is abrasion or puncture potential Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.
Body protection	See Other protection below
Other protection	No special equipment needed when handling small quantities. <b>OTHERWISE:</b> • Overalls. • Barrier cream. • Eyewash unit.

## Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the *computer-generated* selection:

API Turtle Water Conditioner (Turtle Water Conditioner)

Material	СРІ
BUTYL	С
NATURAL RUBBER	С
NEOPRENE	С
PVA	С
VITON	С

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

**NOTE**: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. - \* Where the glove is to be used on a short term, casual or infrequent

basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

#### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

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Appearance	Yellow liquid with a vitamin like odour; mixes v	with water.	
Physical state	Liquid	Relative density (Water = 1)	1.0
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Applicable	Viscosity (cSt)	Not Available

#### **Respiratory protection**

- Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.
- Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

#### SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	<ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

## SECTION 11 TOXICOLOGICAL INFORMATION

## Information on toxicological effects

Inhaled	<b>.</b>	ealth effects or irritation of the respiratory tract (as classified by EC and hygiene practice requires that exposure be kept to a minimum and pational setting.
Ingestion	because of the lack of corroborating animal or hum individual, following ingestion, especially where pre definitions of harmful or toxic substances are gene	tives or other classification systems as "harmful by ingestion". This is nan evidence. The material may still be damaging to the health of the e-existing organ (e.g liver, kidney) damage is evident. Present erally based on doses producing mortality rather than those producing ct discomfort may produce nausea and vomiting. In an occupational es is not thought to be cause for concern.
Skin Contact	<b>U</b>	alth effects or skin irritation following contact (as classified by EC od hygiene practice requires that exposure be kept to a minimum and tting.
Eye	Although the liquid is not thought to be an irritant ( produce transient discomfort characterised by teari	(as classified by EC Directives), direct contact with the eye may ing or conjunctival redness (as with windburn).
Chronic		to produce chronic effects adverse to health (as classified by EC posure by all routes should be minimised as a matter of course.
API Turtle Water		
API Turtle Water	Directives using animal models); nevertheless exp	posure by all routes should be minimised as a matter of course.
API Turtle Water Conditioner (Turtle Water	Directives using animal models); nevertheless exp	oosure by all routes should be minimised as a matter of course.
API Turtle Water Conditioner (Turtle Water	Directives using animal models); nevertheless exp TOXICITY Not Available	Not Available
API Turtle Water Conditioner (Turtle Water Conditioner) sodium phosphate,	Directives using animal models); nevertheless exp TOXICITY Not Available TOXICITY	IRRITATION IRRITATION IRRITATION
API Turtle Water Conditioner (Turtle Water Conditioner)	Directives using animal models); nevertheless exp TOXICITY Not Available TOXICITY dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>	IRRITATION Not Available IRRITATION Eye (human): 50 mg mild
API Turtle Water Conditioner (Turtle Water Conditioner) sodium phosphate,	Directives using animal models); nevertheless exp TOXICITY Not Available TOXICITY dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>	IRRITATION IRRITATION Eye (human): 50 mg mild Eye (rabbit): 150 mg mild
API Turtle Water Conditioner (Turtle Water Conditioner) sodium phosphate,	Directives using animal models); nevertheless exp TOXICITY Not Available TOXICITY dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>	IRRITATION Not Available IRRITATION Eye (human): 50 mg mild Eye (rabbit): 150 mg mild Eye: no adverse effect observed (not irritating) <sup>[1]</sup>

	Inhalation (rat) LC50: 2.8966911 mg/l/4h <sup>[2]</sup>	
	Oral (rat) LD50: 1850 mg/kg <sup>[2]</sup>	
	TOXICITY	IRRITATION
	dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>	Eye (rabbit): 500 mg/24h - mild
sodium phosphate, dibasic	Oral (rat) LD50: >500 mg/kg <sup>[1]</sup>	Eye: no adverse effect observed (not irritating) <sup>[1]</sup>
UIDASIC		Skin (rabbit): 500 mg/24h - mild
		Skin: no adverse effect observed (not irritating) <sup>[1]</sup>
	TOXICITY	IRRITATION
thiamine hydrochloride	Oral (rat) LD50: 3710 mg/kg <sup>[2]</sup>	Eye: adverse effect observed (irritating) <sup>[1]</sup>
		Skin: no adverse effect observed (not irritating) <sup>[1]</sup>
water	TOXICITY	IRRITATION
	Oral (rat) LD50: >90000 mg/kg <sup>[2]</sup>	Not Available
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances	

DIMETHYLIMINOETHYLENE DICHLORIDE, ETHOXYLATE	Most undiluted cationic surfactants satisfy the criteria for classification as Harmful (Xn) with R22 and as Irritant (Xi) for skin and eyes with R38 and R41. * MSDS Busan 77		
SODIUM PHOSPHATE, DIBASIC	The material may cause skin irritation after prolonged or repeated (nonallergic). This form of dermatitis is often characterised by skin Histologically there may be intercellular oedema of the spongy lay epidermis.	redness (erythema) and swelling epidermis.	
WATER	No significant acute toxicological data identified in literature search	n.	
SODIUM PHOSPHATE, MONOBASIC, ANHYDROUS & SODIUM PHOSPHATE, DIBASIC & THIAMINE HYDROCHLORIDE	Asthma-like symptoms may continue for months or even years a to a non-allergenic condition known as reactive airways dysfunction exposure to high levels of highly irritating compound. Key criterial preceding respiratory disease, in a non-atopic individual, with abr minutes to hours of a documented exposure to the irritant. A rever of moderate to severe bronchial hyperreactivity on methacholine inflammation, without eosinophilia, have also been included in the following an irritating inhalation is an infrequent disorder with rates exposure to the irritating substance. Industrial bronchitis, on the of exposure due to high concentrations of irritating substance (often exposure ceases. The disorder is characterised by dyspnea, coug	In syndrome (RADS) which can occur following for the diagnosis of RADS include the absence of upt onset of persistent asthma-like symptoms within sible airflow pattern, on spirometry, with the presence challenge testing and the lack of minimal lymphocytic criteria for diagnosis of RADS. RADS (or asthma) related to the concentration of and duration of ther hand, is a disorder that occurs as result of particulate in nature) and is completely reversible after	
SODIUM PHOSPHATE, MONOBASIC, ANHYDROUS & SODIUM PHOSPHATE, DIBASIC	The material may be irritating to the eye, with prolonged contact c to irritants may produce conjunctivitis.	ausing inflammation. Repeated or prolonged exposure	
Acute Toxicity	X Carcino	jenicity 🗙	
Acute Toxicity Skin Irritation/Corrosion		genicity X uctivity X	
		uctivity X	
Skin Irritation/Corrosion Serious Eye	X     Reprod       X     STOT - Single E       X     STOT - R	uctivity X xposure X	

Data available to make classification

## SECTION 12 ECOLOGICAL INFORMATION

## Toxicity

API Turtle Water Conditioner (Turtle Water Conditioner)

	Not Available	Not Available		Not Available		Not Available	Not Available
	ENDPOINT	TEST DURATION (HR)		SPECIES		VALUE	SOURC
sodium phosphate, monobasic, anhydrous	LC50	96	Fish			>100mg/L	2
	EC50	48		Crustacea		>100mg/L	2
monobasic, annyurous	EC50	72	1	Algae or other aquatic plants		>100mg/L	2
	NOEC	72	1	Algae or other aquatic plants		>100mg/L	2
dimethyliminoethylene	ENDPOINT	TEST DURATION (HR)		SPECIES		VALUE	SOURC
dichloride, ethoxylate	LC50	96		Fish		0.047mg/L	4
	ENDPOINT	TEST DURATION (HR)	1	SPECIES		VALUE	SOURC
sodium phosphate, dibasic	LC50	96	1	Fish		>100mg/L	2
	EC50	48	1	Crustacea		>100mg/L	2
	EC50	72	1	Algae or other aquatic plants		>100mg/L	2
	NOEC	72	1	Algae or other aquatic plants		>100mg/L	2
	ENDPOINT	TEST DURATION (HR)	SF	PECIES	VAL	_UE	SOURC
	LC50	96	Fi	sh	49	761.625mg/L	3
thiamine hydrochloride	EC50	48	C	Crustacea		00mg/L	2
	EC50	72	AI	Algae or other aquatic plants		00mg/L	2
	NOEC	48	C	Crustacea		mg/L	2
	ENDPOINT	TEST DURATION (HR)	S	PECIES	VA	LUE	SOURC
water	LC50	96	F	Fish	89	97.520mg/L	3
	EC50	96	A	Algae or other aquatic plants	87	768.874mg/L	3
Legend:	Toxicity 3. EF Data 5. ECET	PIWIN Suite V3.12 (QSAR) - Aqu	uatic Toxicity	Registered Substances - Ecotoxic Data (Estimated) 4. US EPA, Ec TE (Japan) - Bioconcentration Da	otox dat	tabase - Aqua	

## Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
thiamine hydrochloride	HIGH	HIGH
water	LOW	LOW

## **Bioaccumulative potential**

Ingredient	Bioaccumulation
thiamine hydrochloride	LOW (LogKOW = -1.7773)
water	LOW (LogKOW = -1.38)

## Mobility in soil

Ingredient	Mobility
thiamine hydrochloride	LOW (KOC = 87.51)
water	LOW (KOC = 14.3)

## SECTION 13 DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Product / Packaging disposal Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

A Hierarchy of Controls seems to be common - the user should investigate:

Reduction

▶ Reuse
► Recycling
► Disposal (if all else fails)
This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended
use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means.
Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may
change in use, and recycling or reuse may not always be appropriate.
DO NOT allow wash water from cleaning or process equipment to enter drains.
It may be necessary to collect all wash water for treatment before disposal.
In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.
Where in doubt contact the responsible authority.
► Recycle wherever possible.
Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no
suitable treatment or disposal facility can be identified.
Dispose of by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or incineration
in a licensed apparatus (after admixture with suitable combustible material).
Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

#### **SECTION 14 TRANSPORT INFORMATION**

#### Labels Required

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Marine Pollutant	NO

## Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

#### SECTION 15 REGULATORY INFORMATION

#### Safety, health and environmental regulations / legislation specific for the substance or mixture

#### SODIUM PHOSPHATE, MONOBASIC, ANHYDROUS(7558-80-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory	US TSCA Chemical Substance Inventory - Interim List of Active Substances
DIMETHYLIMINOETHYLENE DICHLORIDE, ETHOXYLATE(31512-74-0) IS FO	UND ON THE FOLLOWING REGULATORY LISTS
International Air Transport Association (IATA) Dangerous Goods Regulations International Maritime Dangerous Goods Requirements (IMDG Code)	US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule
United Nations Recommendations on the Transport of Dangerous Goods Model Regulations	US Postal Service (USPS) Hazardous Materials Table: Postal Service Mailability Guide
US Department of Transportation (DOT), Hazardous Material Table	US Postal Service (USPS) Numerical Listing of Proper Shipping Names by Identification (ID) Number
	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
SODIUM PHOSPHATE, DIBASIC(7558-79-4) IS FOUND ON THE FOLLOWING	G REGULATORY LISTS
US - Massachusetts - Right To Know Listed Chemicals US - Pennsylvania - Hazardous Substance List	US Department of Transportation (DOT) List of Hazardous Substances and Reportable Quantities - Hazardous Substances Other Than Radionuclides
US CWA (Clean Water Act) - List of Hazardous Substances	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
	US TSCA Chemical Substance Inventory - Interim List of Active Substances
THIAMINE HYDROCHLORIDE(67-03-8) IS FOUND ON THE FOLLOWING RE	GULATORY LISTS
US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
WATER(7732-18-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS	
IMO IBC Code Chapter 18: List of products to which the Code does not apply	US TSCA Chemical Substance Inventory - Interim List of Active Substances
US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory	

#### **Federal Regulations**

No

## API Turtle Water Conditioner (Turtle Water Conditioner)

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SECTION 311/312 HAZARD CATEGORIES

Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	No
Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	No
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

## US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4)

Name	Reportable Quantity in Pounds (lb)	Reportable Quantity in kg
Sodium phosphate, dibasic	5000	2270

## **State Regulations**

#### US. CALIFORNIA PROPOSITION 65

None Reported

## **National Inventory Status**

National Inventory	Status
Australia - AICS	Yes
Canada - DSL	Yes
Canada - NDSL	No (sodium phosphate, monobasic, anhydrous; water; dimethyliminoethylene dichloride, ethoxylate; thiamine hydrochloride; sodium phosphate, dibasic)
China - IECSC	No (thiamine hydrochloride)
Europe - EINEC / ELINCS / NLP	No (dimethyliminoethylene dichloride, ethoxylate)
Japan - ENCS	No (thiamine hydrochloride)
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - ARIPS	No (dimethyliminoethylene dichloride, ethoxylate)

Thailand - TECI	No (dimethyliminoethylene dichloride, ethoxylate)
Legend:	Yes = All CAS declared ingredients are on the inventory No = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

## **SECTION 16 OTHER INFORMATION**

Revision Date	06/27/2017
Initial Date	Not Available

#### Other information

#### Ingredients with multiple cas numbers

Name	CAS No
sodium phosphate, monobasic, anhydrous	7558-80-7, 1333-80-8, 89140-32-9
dimethyliminoethylene dichloride, ethoxylate	31512-74-0, 31075-24-8, 123069-72-7
sodium phosphate, dibasic	7558-79-4, 10028-24-7

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

#### **Definitions and abbreviations**

PC-TWA: Permissible Concentration-Time Weighted Average PC-STEL: Permissible Concentration-Short Term Exposure Limit IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists STEL: Short Term Exposure Limit TEEL: Temporary Emergency Exposure Limit. IDLH: Immediately Dangerous to Life or Health Concentrations OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value

BCF: BioConcentration Factors BEI: Biological Exposure Index

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