



SAFETY DATA SHEET

Issue Date 04-Jun-2015

Revision Date 19-Sep-2019

Version 1

1. IDENTIFICATION

Product identifier

Product Name OPTIWASH

Other means of identification

Product Code PROD-379

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Cleaning compound.

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address **Manufacturer Address**

ARC International
10955 Withers Cove Park Drive
Charlotte, NC 28278

N/A

Emergency telephone number

Company Phone Number 704-588-1809

24 Hour Emergency Phone Number 1-800-424-9300

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Label elements

Emergency Overview

Danger

Hazard statements

Harmful if swallowed

Causes severe skin burns and eye damage

May cause respiratory irritation



Appearance Blue liquid**Physical state** Liquid**Odor** Fresh**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 Specific treatment (see Section 4)
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Immediately call a POISON CENTER or doctor/physician
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant in accordance with all Federal, State, and Local regulations.

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No	Weight-%	Trade Secret
WATER-TAP	7732-18-5	60 - 100	*
SODIUM METASILICATE PENTAHYDRATE	6834-92-0	1 - 5	*
STPP-SODIUM TRIPOLYPHOSPHATE LIGHT DENSITY	7758-29-4	0.1 - 1	*
SODIUM SESQUICARBONATE (FMC ONLY)	533-96-0	0.1 - 1	*
SODA ASH LIGHT	497-19-8	0.1 - 1	*
GEROPON T-77	137-20-2	0.1 - 1	*
METHANOL	67-56-1	<0.1	*
DYE- TURQUOISE 8GLL	1330-38-7	<0.1	*
NP-9.5	127087-87-0	<0.1	*
GLYCOL ETHER DPM	34590-94-8	<0.1	*
FRAGRANCE- DIAL TYPE 118116	UNKNOWN	<0.1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures**Eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.
 Consult a physician.

Skin contact

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists,

call a physician.

Inhalation

Remove victim to fresh air or supply oxygen. Administer artificial respiration if victim is unconscious. Seek medical attention if victim is unconscious. Seek medical attention if victim is overcome by vapors or breathing difficulty persists.

Ingestion

Seek medical attention immediately. If conscious, give victim two glasses of water to dilute ingested material. Do not induce vomiting. If victim begins to vomit involuntarily, keep head below hips to prevent aspiration. Monitor for breathing difficulty.

Most important symptoms and effects, both acute and delayed**Symptoms**

No information available.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Product is water based and will not support flames. Water may be used to cool fire-exposed containers. Wear self-containing breathing apparatus with full face piece.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

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

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas.

Environmental precautions**Environmental precautions**

See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up**Methods for containment**

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general purpose binder). Dispose of absorbed material in accordance with regulations. Large spills: Stop the flow of material if this is without risk. Dike the spilled material where this is possible. Absorb in vermiculite, dry sand or earth, and place into containers. Prevent entry into waterways, sewer, basements, or confined areas. Following product recovery, flush area with water. Never return spills to original containers for re-use.

Methods for cleaning up

Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Keep container closed when not in use. Store at room temperature in well ventilated areas. Prevent product from freezing. Follow SDS and label warnings even after package is empty. Do not cut, puncture, or weld empty container. Not for use in pressure washing equipment. Product applications which generate dust, mist, or fumes may require exposure limit modification. Use personal protection recommended in Section 8. Use only in well-ventilated areas.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
METHANOL 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 260 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m ³ (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 325 mg/m ³
DYE- TURQUOISE 8GLL 1330-38-7	TWA: 1 mg/m ³ Cu dust and mist	-	IDLH: 100 mg/m ³ Cu dust and mist TWA: 1 mg/m ³ Cu dust and mist
GLYCOL ETHER DPM 34590-94-8	STEL: 150 ppm TWA: 100 ppm S*	TWA: 100 ppm TWA: 600 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m ³ (vacated) S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 mg/m ³

Appropriate engineering controls**Engineering Controls**

Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear safety glasses with side shields (or goggles).

Skin and body protection

Wear protective gloves and protective clothing.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties**Physical state**

Liquid

Appearance

Blue liquid

Color

blue

Odor

Fresh

Odor threshold

No information available

**Property
pH**

Values
12.0

Remarks • Method

Melting point / freezing point	No information available
Boiling point / boiling range	212 °F
Flash point	> 200 °F / < 300 °F
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	1.0312
Water solubility	Soluble in water
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity**Chemical stability**

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon oxides. Steam. Hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available
Inhalation	Harmful by inhalation.
Eye contact	Corrosive, prevent contact.
Skin contact	Irritating to skin. Avoid contact with skin.
Ingestion	Harmful if swallowed.

Component Information

Caution - substance not yet tested completely

Chemical Name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
WATER-TAP 7732-18-5	> 90 mL/kg (Rat)	-	-
SODIUM METASILICATE PENTAHYDRATE 6834-92-0	= 1153 mg/kg (Rat)	-	-
STPP-SODIUM TRIPOLYPHOSPHATE LIGHT DENSITY 7758-29-4	= 3120 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	-
SODA ASH LIGHT 497-19-8	= 4090 mg/kg (Rat)	-	-
GEROPON T-77 137-20-2	= 1700 mg/kg (Rat)	-	-
METHANOL 67-56-1	= 6200 mg/kg (Rat)	= 15800 mg/kg (Rabbit) = 15840 mg/kg (Rabbit)	= 22500 ppm (Rat) 8 h = 64000 ppm (Rat) 4 h
DYE- TURQUOISE 8GLL 1330-38-7	> 5 g/kg (Rat)	-	-
NP-9.5 127087-87-0	= 1310 mg/kg (Rat)	-	-
GLYCOL ETHER DPM 34590-94-8	= 5.35 g/kg (Rat)	= 9500 mg/kg (Rabbit)	-

Information on toxicological effects**Symptoms**

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Sensitization**

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
SODIUM METASILICATE PENTAHYDRATE 6834-92-0	-	210: 96 h Brachydanio rerio mg/L LC50 210: 96 h Brachydanio rerio mg/L LC50 semi-static	216: 96 h Daphnia magna mg/L EC50
STPP-SODIUM TRIPOLYPHOSPHATE LIGHT DENSITY 7758-29-4	-	1650: 48 h Leuciscus idus mg/L LC50	-
SODA ASH LIGHT 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50
METHANOL 67-56-1	-	28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 13500 - 17600: 96 h Lepomis macrochirus	-

		mg/L LC50 flow-through	
GLYCOL ETHER DPM 34590-94-8	-	10000: 96 h Pimephales promelas mg/L LC50 static	1919: 48 h Daphnia magna mg/L LC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Partition coefficient
METHANOL 67-56-1	-0.77
GLYCOL ETHER DPM 34590-94-8	-0.064

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
METHANOL 67-56-1	-	Included in waste stream: F039	-	U154

Chemical Name	California Hazardous Waste Status
SODA ASH LIGHT 497-19-8	Corrosive
METHANOL 67-56-1	Toxic Ignitable
DYE- TURQUOISE 8GLL 1330-38-7	Toxic

14. TRANSPORT INFORMATION**DOT**

Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Does not comply
DSL/NDL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply

AICS

Does not comply

Legend:**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
DYE- TURQUOISE 8GLL 1330-38-7	-	X	-	-

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
METHANOL 67-56-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Proposition 65
METHANOL - 67-56-1	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
WATER-TAP 7732-18-5	-	-	X
STPP-SODIUM TRIPOLYPHOSPHATE LIGHT DENSITY 7758-29-4	-	X	X
METHANOL 67-56-1	X	X	X
DYE- TURQUOISE 8GLL 1330-38-7	X	-	X
GLYCOL ETHER DPM 34590-94-8	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 2	Flammability 1	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 2	Flammability 1	Physical hazards 0	Personal protection B

Prepared By ArroChem Environmental, Health, and Safety

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Revision Note

No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet