



SAFETY DATA SHEET

Issue Date 04-Jun-2015

Revision Date 28-Apr-2022

Version 1

1. IDENTIFICATION

Product identifier

Product Name OPTICLEAN POWDER

Other means of identification

Product Code PROD-378

UN/ID no UN1759

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)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

Label elements

Emergency Overview

Danger

Hazard statements

Harmful if swallowed

Causes severe skin burns and eye damage

May cause respiratory irritation

**Appearance** Blue powder**Physical state** powder**Odor** Fresh**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
Specific treatment (see .?)
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
Call a POISON CENTER or doctor/physician if you feel unwell
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

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
SODIUM METASILICATE PENTAHYDRATE	6834-92-0	40 - 70	*

*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 will not burn. Water may be used to cool fire-exposed containers. Wear self-controlled 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 spills: Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate PPE. See Section 8. For large spills: Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate PPE. See Section 8. In case of contact with water, prevent runoff from entering into storm sewers and ditches which lead to natural waterways. 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****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**

powder

Appearance

Blue powder

Color

blue

Odor

Fresh

Odor threshold

No information available

Property**Values****Remarks • Method****pH**

No information available

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

.7950

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
SODIUM METASILICATE PENTAHYDRATE 6834-92-0	= 1153 mg/kg (Rat)	-	-

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	-
SODA ASH LIGHT 497-19-8	-	310 - 1220: 96 h Pimephales promelas mg/L LC50 static 300: 96 h Lepomis macrochirus mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50
METHANOL 67-56-1	-	13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	-
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.

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

14. TRANSPORT INFORMATION

DOT

UN/ID no	UN1759
Proper shipping name	Corrosive solid, n.o.s.
Hazard Class	8
Packing Group	III
Special Provisions	128, IB8, IP3, T1, TP33
Description	UN1759, Corrosive Solids, N.O.S. (contains Disodium Trioxosilicate), 8, III
Emergency Response Guide Number	154

TDG

UN/ID no	UN1759
Proper shipping name	Corrosive solid, n.o.s.
Hazard Class	8
Packing Group	III
Description	UN1759, Corrosive solid, n.o.s., 8, III

MEX

UN/ID no	UN1759
Proper shipping name	Corrosive solid, n.o.s.
Hazard Class	8
Packing Group	III
Description	UN1759, Corrosive solid, n.o.s., 8, III

ICAO (air)

UN/ID no	UN1759
Proper shipping name	Corrosive solid, n.o.s.
Hazard Class	8
Packing Group	III
Special Provisions	A3
Description	UN1759, Corrosive solid, n.o.s., 8, III

IATA

UN/ID no	UN1759
Proper shipping name	Corrosive solid, n.o.s.*
Hazard Class	8
Packing Group	III
ERG Code	8L
Special Provisions	A3, A803
Description	UN1759, Corrosive solid, n.o.s.*, 8, III

IMDG

UN/ID no	UN1759
Proper shipping name	Corrosive solid, n.o.s.*
Hazard Class	8
Packing Group	III
EmS-No	F-A, S-B
Special Provisions	223, 274
Description	UN1759, Corrosive solid, n.o.s.*, 8, III

RID

UN/ID no	UN1759
Proper shipping name	Corrosive solid, n.o.s.
Hazard Class	8
Packing Group	III
Classification code	C10
Description	UN1759, Corrosive solid, n.o.s., 8, III

ADR

UN/ID no	UN1759
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Proper shipping name	Corrosive solid, n.o.s.
Hazard Class	8
Packing Group	III
Classification code	C10
Tunnel restriction code	(E)
Special Provisions	274
Description	UN1759, Corrosive solid, n.o.s., 8, III, (E)
Labels	8

ADN

Proper shipping name	Corrosive solid, n.o.s.
Hazard Class	8
Packing Group	III
Classification code	C10
Special Provisions	274
Description	UN1759, Corrosive solid, n.o.s., 8, III
Hazard label(s)	8
Limited quantity (LQ)	5 kg

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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)

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)

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

U.S. State Right-to-Know Regulations**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

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

NFPA	Health hazards 3	Flammability 1	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 3	Flammability 1	Physical hazards 0	Personal protection E

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