

SAFETY DATA SHEET

Orange 719 Intermediate

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Company Name: American Solutions LLC

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Date Printed: 5/12/2015

Emergency Phone: 973-949-4098

Name of Preparer: Environmental Dept

Product Name: Orange 719 Intermediate

CAS No. : Mixture

Product Form: Powder

HMIS Codes:

H	F	R	P
1	0	0	E

UN Number: UN1759

Recommended Use of Chemical: Industrial

SECTION 2 – HAZARDS IDENTIFICATION

Carcinogenicity:

NTP Carcinogen: No

IARC Monographs: No

OSHA Regulated: No

GHS Classification:



GHS Environmental Statements:

N/A

GHS Health Statements:

Skin Corrosion (1B) Serious Eye Damage (1)

GHS Hazard Statements:

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H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage

H335: May cause respiratory irritation

GHS Precautionary Statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray

P264: Wash ... thoroughly after handling.

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P363: Wash contaminated clothing before reuse

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

GHS Signal Word: Danger

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Name of Chemical Contributing to Known Hazards : DISODIUM TRIOXOSILICATE

Common Name of Chemical Contributing to Known Hazards : Sodium Metasilicates

Name	Product Identifier (CAS No)	%
DISODIUM TRIOXOSILICATE	6834-92-0	15-60

SECTION 4 – FIRST AID MEASURES

Emergency and First Aid Procedures

First – Aid Measures General:

Check the vital functions. Unconscious: Maintain adequate airway and respiration. Respiratory Arrest: Artificial respiration or oxygen. Cardiac Arrest: Perform resuscitation. Victim conscious with labored breathing: Half-seated. Victim in Shock: On his back with legs slightly raised. Vomiting: Prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: Doctor/Hospital. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show label where possible).

First – Aid Measures after Inhalation:

Remove the victim into fresh air. Respiratory Problems: consult a doctor/medical service. Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms continue seek medical attention.

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First – Aid Measures after Skin Contact:

Wash immediately with lots of water (15 minutes)/shower. Do not apply (chemical) neutralizing agents. Remove clothing while washing. Cover wounds with sterile bandage. Consult a doctor/medical service if required.

First – Aid Measures after Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms continue seek medical attention.

First – Aid Measures after Ingestion:

Rinse mouth with water. Immediately after ingestion: Give lots of water to drink. Do not induce vomiting. Do not give activated charcoal. Do not give chemical antidote. Immediately consult a doctor/medical service. Ingestion of large quantities: Go immediately to hospital.

Most Important Symptoms and Effects (Acute and Delayed)

Symptoms/Injuries after Inhalation:

Dry/sore throat. Coughing. Irritation of the respiratory tract and/or nasal mucous membranes. Delayed symptoms include possible laryngeal spasm/oedema. Risk of lung oedema. Respiratory difficulties.

Symptoms/Injuries after Skin Contact:

Caustic burns/corrosion of the skin. Slow healing wounds.

Symptoms/Injuries after Eye contact:

Contact can cause irritation or burning in eyes.

Symptoms/Injuries after Ingestion:

May cause headache, dizziness, and gastrointestinal distress.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media:

Water fog or spray, Foam, Dry Powder, Carbon Dioxide (CO₂).

Unsuitable Extinguishing Media:

None Known

Hazards Arising From the Chemical:

Reacts with some metals. Gases hazardous to health may be formed. May decompose upon heating to produce corrosive and/or toxic fumes.

Advice for Firefighters

Precautionary Measures\Firefighting Instructions:

Exposure to fire/heat: keep upwind, consider evacuation, have neighborhood close doors and windows. Cool tanks/drums with water spray/remove them into safety. Dilute toxic gases with water spray. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

Special Protective Equipment:

Heat/fire exposure: Compressed air/oxygen apparatus.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Protective Equipment:

Gloves and Goggles. Wear additional appropriate protective equipment and clothing when necessary.

Emergency Procedures:

Mark the danger area. Ensure adequate ventilation. No naked flames. Wash contaminated clothes. Large spills/in confined spaces: Consider evacuation.

Environmental Precaution:

Prevent soil and water pollution. Prevent spreading in sewers. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

Containment:

See "Methods for Clean Up" below

Methods for Clean Up:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling:

Wear appropriate personal protective equipment. Open containers slowly, on a stable surface. Containers of this product must be properly labeled. Keep container tightly closed when not in use. Wash thoroughly after using this material. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual materials, therefore, empty containers should be handled with care.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions:

Store in a dry area. Keep only in the original container in a cool, well ventilated place, away from direct sunlight and sources of intense heat. Keep container closed when not in use. Protect against freezing. Store away from incompatible materials. Provide for a tub to collect spills. Unauthorized persons are not admitted. If appropriate, post warning signs in storage and use areas. Meet the legal requirements.

Incompatible Materials & Products:

Strong Acids. Oxidizers or Oxidizing Materials. Metals.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

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Occupational Exposure Limits: U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	CAS #	Type	Value
DISODIUM TRIOXOSILICATE	6834-92-0	TWA	15 mg/m3
DISODIUM TRIOXOSILICATE	6834-92-0	TWA	15 mg/m3

Appropriate Engineering Controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

Individual Protection Measures

Avoid all unnecessary exposure.

Personal Protective Equipment

Hand Protection:

Wear protective gloves.

Eye Protection:

Chemical goggles or face shield.

Skin and Body Protection:

Corrosion-proof clothing.

Respiratory Protection:

Wear appropriate mask.

Other Information:

Do not eat, drink, or smoke during use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<u>Physical State:</u>	Powder
<u>Color:</u>	Orange
<u>Odor:</u>	N/A
<u>Odor Threshold:</u>	No Data Available
<u>pH:</u>	11-12
<u>Melting Point:</u>	1992 F (1089 C)
<u>Freezing Point:</u>	No Data Available
<u>Boiling Point:</u>	No Data Available
<u>Boiling Point Range:</u>	No Data Available
<u>Flashpoint:</u>	N/A
<u>Evaporation Rate:</u>	No Data Available
<u>Flammability (Solid, Gas):</u>	No Data Available
<u>Explosive Limits:</u>	No Data Available
<u>Vapor Pressure:</u>	No Data Available
<u>Vapor Density @ 20C:</u>	No Data Available
<u>Specific Gravity:</u>	1

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Solubility: Soluble in water
Partition Coefficient (n-octanol/water): No Data Available
Auto-Ignition Temperature: No Data Available

SECTION 10 – STABILITY AND REACTIVITY

Stability:
Stable under normal conditions

Possibility of Hazardous Reactions:
Contact with metal may release flammable hydrogen gas.

Conditions to Avoid:
Direct Sunlight. Extremely high or low temperatures. Oxidizing agents.

Incompatibility (Materials to Avoid):
Strong Acids.
Oxidizers or Oxidizing Materials.
Metals.

Hazardous Decomposition Products:
Sodium oxide Silicon oxide

Hazardous Polymerization:
Will Not Occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: Prolonged contact with the undiluted material may cause irritation.

6834-92-0	DISODIUM TRIOXOSILICATE	LD50 Oral	Rat	2350 mg/kg
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Carcinogenicity: Not Classified

Germ Cell Mutagenicity: Not Classified

Routes of Exposure/Symptoms of Exposure

Symptoms/Injuries after Inhalation:

Dry/sore throat. Coughing. Irritation of the respiratory tract and/or nasal mucous membranes. Delayed symptoms include possible laryngeal spasm/oedema. Risk of lung oedema. Respiratory difficulties.

Symptoms/Injuries after Skin Contact:

Caustic burns/corrosion of the skin. Slow healing wounds.

Symptoms/Injuries after Eye Contact:

Contact can cause irritation or burning in eyes.

Symptoms/Injuries after Ingestion:

May cause headache, dizziness, and gastrointestinal distress.

Chronic Symptoms:

Prolonged exposure may cause chronic effects.

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SECTION 12 – ECOLOGICAL

Ecotoxicity: Harmful to Aquatic Life

6834-92-0	DISODIUM TRIOXOSILICATE	LC50	Crustacea (water flea)	113 mg/l, 48 hrs
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Persistence and Degradability: No Data Available.

Bioaccumulative Potential: Not expected to bioaccumulate.

Mobility in Soil:

Other Adverse Effects: Avoid release to the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose in an approved waste management facility. Care must be taken when using or disposing of chemical materials and/or their containers to prevent environmental contamination. It is your duty to dispose of the chemical materials and/or their containers in accordance with all Federal, State, Local, and National regulations regarding disposal. Do not discharge into surface water. Avoid release to the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers may contain product residue follow label warnings even after container is empty.

SECTION 14 – TRANSPORT INFORMATION

DOT:

UN Number: UN1759
UN Proper Shipping Name: CORROSIVE SOLIDS, N.O.S.
Transport Hazard Class: 8
Subsidiary Hazard Class(es):
Packaging Group: III
Special Precautions/Provisions: 49CFR Parts 100-185, Emergency Response Guidebook #154

SECTION 15 – REGULATORY INFORMATION

US Federal Regulations

CERCLA Hazardous Substance List (40 CFR 302.4): Not Listed

DOT: 49CFR Parts 100-185

SARA 302 (Extremely Hazardous Substance): No

SARA 311/312 Hazardous Chemical: Yes

SARA 313 (TRI reporting): No

SECTION 16 – OTHER INFORMATION

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Date of Preparation of SDS/Date of Last Change: May 12, 2015

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