

Safety Data Sheet

Ocera "Novel Series" Stains

Complies with OSHA Hazard Communication
Standard 29 CFR 1910.1200



SECTION 1. Identification

1.1 Product Identifier:

Product Name: Ocera "Novel Series" Stains

Product Code: Formulation JB-302-(810-890)

1.2 Uses of the product:

Reactive Organic Stain for Concrete
-tinted in 10 various colors

1.3 Details of the product manufacturer:

Supplied By: Concrete Earth LLC
c/o Specco Industries Inc.
601 N. 5th Ave.
Kankakee, Illinois 60901
(630)-257-5060
e-Mail: Info@specco.com

1.4 Emergency Telephone Number:

24 Hour Emergency:
INFOTRAC: 1-800-535-5053

Outside U.S. and Canada
Infotrac: 352-323-3500

Note: INFOTRAC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

SECTION 2. Hazard(s) Identification

2.1* EMERGENCY OVERVIEW** * OSHA Hazards:** May be harmful if swallowed, May be harmful if inhaled. May cause respiratory irritation. May cause skin reaction. May cause eye irritation.

2.2 Classification of the substance or mixture:

GHS-US Classification

Eye damage /eye irritation-Category 2B
Acute Toxicity, oral- category 5
Acute toxicity, Inhalation- category 5
Specific Target Organ Toxicity- single exposure: category 3
Sensitization- Skin: category 1A

2.3 Label elements:



Symbol(s) of Product GHS-US labeling:

Hazard pictograms (GHS-US):

Signal Word:

WARNING

2.3 Label Elements:

GHS –US HAZARD STATEMENTS:

Aspiration hazard, category 2	H303	May be harmful if swallowed
Skin Irritation, category 2	H317	May cause an allergic skin reaction category 2
Eye Irritation, category 2	H320	May cause eye irritation
Acute toxicity, Inhalation, category 5	H333	May be harmful if inhaled

STOT, single exposure, category 3, RTI H335 May cause respiratory irritation

GHS –US PRECAUTIONARY STATEMENTS:

Prevention:

P261 Avoid breathing fume/gas/mist/vapors/spray.
 P264 Wash thoroughly after handling.
 P271 Use only outdoors or in well-ventilated areas.
 P280 Wear protective gloves/protective clothing/eye protection/face protection

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses if present and easy to do. Continue rinsing.
 P337 +P313 If eye irritation persists: get medical advice or attention.
 P312 If swallowed, call a POISON CENTER/doctor/physician if you feel unwell.
 P302 + P352 If On Skin: wash with plenty of soap and water.
 P333 + P313 If skin irritation or rash occurs: get medical advice/attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P304 +P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.

Storage:

P403 +P233 Store in a well-ventilated space. Keep container tightly closed
 P405 Store locked up

Disposal:

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

2.4 Other hazards:

Hazardous decomposition products: None listed

SECTION 3. Composition on Ingredients

3.1 Substances:

<u>Chemical name</u>	<u>CAS-No.</u>	<u>Wt. %</u>
Water	NA	50-70%
Ferric Chloride	7732-18-5	5-20%
HS code- not available		
Ferrous Chloride	3478-10-9	5-20%
HS code= 2619.00.3000		
Magnesium Chloride	7773-01-5	5-20%
HS code= 2827.31.0000		
Chrome Chloride (CRIII)	50925-66-1	2-10%
HS code= not available		
Cupric Chloride	7447-39-4	2-10%
HS code= 2827.41.0000		
Proprietary additives –Non hazardous *	N.E.	<1%
HS code= 2841.30.0000 (Sodium Dichormate)		

*Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels.

**Note- Ocera Novel Stains contain no hydrochloric, phosphoric, or related inorganic acids. Two of these ten stains contain Chrome Chloride which is of the Cr III (trivalent chrome) type, and not the Cr VI (hexavalent) type. Components listed are not present in each color, specific color formulations are considered proprietary.

SECTION 4. First-Aid Measures

4.1 Description of first aid measures:



FIRST AID- EYE CONTACT: Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly. Remove contact lenses if worn.



FIRST AID- SKIN CONTACT: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately and clean shoes before reuse.



FIRST AID- INHALATION: Remove person to fresh air and keep comfortable breathing. Call a Poison Control center/doctor if they feel unwell. If not breathing, give artificial respiration. Consult a Physician.



FIRST AID- INGESTION: If swallowed, do **NOT** induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

4.2 Principle symptoms and health effects both acute and delayed:



EYE CONTACT: May cause eye irritation



SKIN CONTACT: Contact with skin may cause mild irritation. Prolonged or repeated contact can Result in defatting skin which may result in skin irritation and dermatitis (rash). Personnel with pre-existing skin disorders should avoid contact with this product.



INHALATION: Vapors can cause irritation of the respiratory tract. High concentrations can cause Headache, nausea, weakness, light headedness, and stupor (CNS depression).



INGESTION: These materials may be harmful or fatal if swallowed. Harmful or fatal if liquid is Aspirated into the lungs. Irritating to mouth, throat, and stomach. Can be readily Absorbed by the stomach and intestinal tract. Symptoms include burning sensation of the mouth and esophagus, nausea, vomiting, diarrhea, dizziness, staggering gait, drowsiness, loss of consciousness and delirium as well as additional central nervous system effects,

CHRONIC SYMPTOMS: None

4.3 Indication of any immediate medical attention and special treatment needed:

No specific actions are required.

SECTION 5. Fire-Fighting Measures

5.1 Extinguishing Media:

Suitable Extinguishing Media: Use Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unsuitable Extinguishing Media: None Known

5.2 Special hazards arising from the substance or mixture:

Fire Hazard: None

Explosion Hazard: No -Product is not combustible

Reactivity: No hazardous combustion products or hazard reactions are known.

5.3 Advice for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA / NIOSH approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Water spray to cool containers or protect personnel.

SECTION 6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

General: Wear personal protection equipment (see Section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling mists and vapors. If material is released indicate risk of slipping.

Protective Equipment: Wear protective clothing as appropriate for the work environment, including gloves, and eye/face protection. Use respiratory protection as recommended in Section 8-Exposure controls/personal protection.

Emergency Procedure: Collect spilled materials for disposal.

6.2 Environmental precautions:

Containment: Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material. Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Spills of materials which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll-free phone number (800) 424-8802.

6.3 Methods and material for containment and cleaning up:

Do not flush away with water. For small amounts: Absorb with a liquid binding material such as diatomaceous earth, dry sand, or earth, place in a chemical waste container, and dispose of according to local/state/federal regulations. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spilled area. Stay upwind of spill. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Exhaust vapors.

6.4 Reference to other Sections:

Refer to Sections 8 and 13 for additional information.

SECTION 7. Handling and Storage

7.1 Precautions for safe handling:

Work Practices: Use only in well ventilated places. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing.

Hygiene Practices: Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.



7.2 Conditions for safe storage, including any incompatibilities:

Store containers in a cool, well ventilated place. Keep container closed when not in use. Protect from direct sunlight.

Static Discharge: Not applicable

7.3 Specific end use(s):**Intended Use(s):** Concrete / cement reactive stains-water-based**Prohibited use(s):** None listed**SECTION 8. Exposure Controls/Personal Protection****8.1 Control Parameters:****Ingredients with Occupational Exposure Limit:**

<u>Chemical Name</u>	<u>ACGIH-TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Ferric Chloride	1 mg/ m3	NE	1 mg/m3	NE
Ferrous Chloride	1 mg/ m3	NE	1 mg/m3	NE
Manganese Chloride	5 mg/ m3	NE	5mg/m3	NE
Chrome Chloride (III)	0.5mg/ m3	NE	0.5 mg/m3	NE
Cupric Chloride	1 mg/ m3	NE	1 mg/m3	NE

8.2 Exposure controls:**8.2.1 Engineering controls:**

Minimize the release of fumes or vapors. Use process controls, local exhaust ventilation, or other engineering controls to maintain airborne levels below the limits shown in Section 8.1 above. See also ACGIH Industrial Ventilation-Recommended Practice (latest edition).

8.2.2 Personal protective equipment (PPE):

RESPIRATORY PROTECTION: NIOSH/MHSA approved respirators are necessary if airborne concentrations are expected to exceed exposure limits.



SKIN PROTECTION: Wear impervious, impermeable gloves such as butyl rubber based to prevent contact with the skin. Wear protective gear as needed such as apron, long sleeved shirts to minimize contact. Wash hands with soap and water after use.



EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield



OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.



HYGIENIC PRACTICES: Do not eat or drink in areas where the material is used. Avoid breathing dust. Remove contaminated clothing and wash before re-use. Wash thoroughly after handling. Wash hands before eating.

SECTION 9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties:**

Appearance:	Various earth tone colors	Physical State:	Liquid
Odor:	Ammoniated	Odor Threshold:	N.D.
Spec. Grav. g/cm³:	Varies=1.140- 1.351	pH:	Varies =Approx. 1.50-3.00
Freeze Point, °F:	N.A.	Viscosity:	Approx. 100-200 cps
Solubility in Water:	Dilutable	Density:	Varies = 9.50 -11.25 lb./ gal
Boiling Range, F:	100 deg. C/212 deg. F	Flash Point, °F:	Not flammable
Evaporation Rate:	N.A.	Auto Ignition Temp, °F:	N.A.
V.O.C.:	0 g/L	Vapor Pressure:	N.A.

9.2 Note: See “Other Information” Section (16) for abbreviation legend

SECTION 10. Stability and Reactivity

10.1 Reactivity:

None

10.2 Chemical stability:

Stable under normal temperature and pressure

10.3 Possibility of hazardous reactions:

Hazardous reactions or polymerization will **not** occur.

10.4 Conditions to avoid:

None known

10.5 Incompatible materials:

None Known

10.6 Hazardous decomposition products:

Carbon Oxides

SECTION 11. Toxicological Information



11.1 Information on Toxicological Effects: Toxicological testing has **not** been conducted with this material.

11.1.1 Acute toxicity: None

11.1.2 Skin corrosion/irritation: Possibly

11.1.3 Serious eye damage/eye irritation: Depending on concentration or residual monomers (typically less than 0.1%, vapors can collect above the liquid in closed containers. These vapors may result in upper respiratory tract irritation.

11.1.4 Respiratory or skin sensitization: None

11.1.5 Germ cell mutagenicity: None

11.1.6 Carcinogenicity: No components of this product are present at levels greater than or equal to 0.1% are identified as carcinogens or possible carcinogens.

11.1.7 Reproductive toxicity: None

11.1.8 Specific target organ toxicity (single exposure): None

11.1.9 Specific target organ toxicity (repeated exposure): None

11.1.10 Aspiration hazard: None

Assessment: For this endpoint, **no** toxicological test data is available for this product.

11.1.11: NA

SECTION 12. Ecological Information

12.1 Toxicity

Eco toxicity: No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Not known to bioaccummulate.

12.4 Mobility in Soil

No data available

12.5 Other adverse effects

No other specific adverse effects known.

SECTION 13. Disposal Considerations



13.1 RCRA Waste Classification

Not known

13.2 Product disposal

Recommended to dispose of according to regulations in a special waste incinerator. Always dispose of any waste in accordance with all local, state, and federal regulations.

13.3 Packaging disposal

Completely discharge containers (no tear drops, no residual contents). Containers may be recycled or be reused. Observe local/state/federal regulations.

SECTION 14. Transport Information

14.1 UN Number:

Not regulated

14.2 UN Proper Shipping Name / IMDG/IATA:

Not applicable

14.3 Transport hazards class:

Not applicable

14.4 Packing Group:

Not applicable

14.5 Environmental hazards:

Not relevant

14.6 Special precautions for user:

No special precautions

SECTION 15. Regulatory Information

15.1 U.S. Federal Regulations:

TSCA No:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory. This material does not contain any TSCA 12(b) regulated chemicals.

SARA SECTION 311/312 (Hazard Class)

Acute health hazard;

SARA SECTION 313 (Chemicals)

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and reauthorization Act of 1986 and 40CFR part 372:

CAS #	Chemical:	Upper limit wt %
None		

RCRA:

No components are listed under the Resource Conservation and Recovery Act, or its regulations, 40CFR S261 et. Seq.

CERCLA:

Components of this product have been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT:

None listed

CLEAN AIR ACT:

This product does not contain any Class I or Class II ozone depleting substances.

FDA:

No information

NTP:

No information

OSHA:

No information

15.2 U.S.State Regulations:

CALIFORNIA PROPOSITION 65:

This material does **not** contain any chemicals known to the state of California to cause cancer.

CALIFORNIA PROPOSITION 65 REPRODUCTIVETOXINS: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards. No Proposition 65 Reproductive toxins exist for this product: None

MASSACHUSETTS TOXIC USE REDUCTION ACT:

This material contains no listed components

NEW JERSEY RIGHT-TO -KNOW:

This material contains no listed components

PENNSYLVANIA RIGHT-TO- KNOW:

This material contains no listed components

15.3 International regulations:**CANADIAN WHMIS:**

This product has been classified in accordance with the Hazard criteria of the CPR and the SDS contains all of the information required by the CPR

WHMIS Class: Class D2B (Toxic) Symbol: Stylized T

DSL Status: This material or one or more of its components is **not** listed on the Canadian Domestic Substances List.

EUROPEAN UNION:

No Information

IARC:

No information

15.4 Other Regulations

National, state, provincial or local emergency planning, community right to know or other laws, regulations or ordinances may be applicable-consult applicable national, state, provincial or local laws.

SECTION 16. Other Information

Revision Date: 12-03-19

Supersedes Date: 08-15-17

S.D.S. produced by: Specco Regulatory Department in accordance with the requirements outlined in the Federal Register, Volume 77, NO.58, March 2012 page 17574. In this final rule, OSHA modified its Hazard Communication Standard (HCS) to conform to the United Nation's Globally Harmonized System of Classification and Labeling of Chemicals (GHS). The modifications to the standard included but were not limited to revised criteria for classification of chemical hazards and a new specified format for Safety Data Sheets.

Standardized American System for the identification of hazards presented by this product in view of emergency procedures (NFPA 704) -H.M.I.S. Ratings:

Health:	2	Flammability:	0	Reactivity:	0	Personal Protection:	G
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Regarding Volatile Organic Compounds, gram/liter: N.A. (0)

DISCLAIMER: THE VOLATILE ORGANIC COMPOUND (V.O.C.) CONTENT REPORTED HEREIN, IF ANY, IS BASED ON A MATERIAL V.O.C. CALCULATION. NOTE THAT SEVERAL METHODS ARE USED FOR CALCULATING V.O.C. CONTENT AND THAT STANDARDS/REQUIREMENTS REGARDING V.O.C. CONTENT VARY BY LOCATION/JURISDICTION. ACCORDINGLY, SPECCO MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED, REGARDING THIS MATERIAL'S COMPLIANCE WITH V.O.C. STANDARDS/REQUIREMENTS APPLICABLE IN LOCATIONS/JURISDICTIONS WHERE THIS MATERIAL MAY BE SOLD OR USED.

Text for GHS Hazard Statements shown in section 3 describing each ingredient:

H315 May cause skin irritation
H320 May cause eye irritation

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS07

Legend: * Refer to 49 CFR for possible exceptions and exemptions. Abbreviations: TLV= Threshold Limit Value. TWA= Time Weighted Average. STEL= Short Term Exposure Limit. N.A. = Not Applicable. N.D. = Not Determined, N.E. =Not Established. IATA= International Air Transport Association. IMDG= International Maritime Dangerous Goods.

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