

SAFETY DATA SHEET

Section 1: IDENTIFICATION

Product Name: Chroma/Wash 212
MSDS Date: 06 May 2015

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Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

GHS Classification:
Aspiration hazard, Category 1
Flammable liquids, Category 4

GHS Labeling



Symbol:

Signal Word: Danger

Hazard Statements:
Combustible liquid
May be fatal if swallowed and enters airways

Precautionary Statements:

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Do NOT induce vomiting.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:

Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects: See Section 11 for more information

This product does not contain carcinogens or potential carcinogens as listed by IARC, NTP, or ACGIH.

This material contains components that are considered hazardous by the OSHA Hazard Communication Standard (29

CFR 1910.1200).

Potential Environmental Effects: See Section 12 for more information.

Section 3: COMPOSTION/INFORMATION ON INGREDIENTS

No.	Component CAS REG. NO.	Amount %	OSHA		ACGIH	
			TWA	STEL	TWA	STEL
1	C10-C13 Isoalkanes CAS #68551-17-7	1-100	Not avail	Not avail	Not avail	Not avail

Section 4: FIRST AID MEASURES

Emergency first aid procedures by route of exposure:

- Inhalation:** If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain medical attention if breathing difficulty persists.
- Ingestion:** Do not induce vomiting. Risk of damage to the lungs exceeds poisoning risk. Obtain medical attention.
- Skin:** Remove contaminated clothing as needed. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. Seek medical attention if ill effect or irritation develops.
- Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Section 5: FIRE FIGHTING MEASURES

Flash Point (C10-C13 Isoalkanes): 61°C (142°F)
Auto-ignition Temperature (C10-C13 Isoalkanes): 230°C (446°F)

Suitable Extinguishing Media:
Carbon Dioxide (CO2).

Unsuitable Extinguishing Media:
High volume water jet.

Products of Combustion:
Upon decomposition this product may emit carbon dioxide, carbon monoxide, and/or low molecular weight hydrocarbons.

Fire Fighting Equipment/Instructions:
Wear self contained breathing apparatus for fire fighting if necessary.

HAZARD	HMIS	NFPA
Toxicity	1	1
Fire	2	2
Reactivity	0	0

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Use personal protective equipment. Ensure adequate ventilation.

Environmental Precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Method for Containment: Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth.

Methods for Clean-up: Use clean non-sparking tools to collect absorbed material. Dike large spills and place materials in salvage containers. Water spray may reduce vapor; but may not prevent ignition in closed spaces.

Section 7: HANDLING AND STORAGE

Handling:

Avoid formation of aerosol. Do not breathe vapors/dust. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations. Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.

Storage:

No smoking. Keep container tightly closed in a dry and well ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protective Equipment (PPE)

Respiratory Protection: A respiratory protection program that meets OSHA's 29CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use.

Eye/Face Protection: Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid or vapor.

Hand Protection: Wear chemical resistant gloves such as Butyl rubber or Viton.

Body: When skin contact is possible, protective clothing including apron, sleeves, boots, head and face protection should be worn.

Other Protective Equipment:

Facilities storing or utilizing this material should be equipped with eyewash and/or shower facilities.

See section 3 for exposure limits.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance, State: Clear Liquid

Color: Not available

Odor: typical solvent

pH: Not Available

Vapor Density (C10-C13 Isoalkanes): 3 (Air = 1)

Boiling Point (C10-C13 Isoalkanes): 179 - 210°C

Vapor Pressure (C10-C13 Isoalkanes): 2.60 MMHG at 38°C (100°F)

Melting Point/freezing point: Not Available

Flash Point (See Section 5)

Flammability Properties (See section 5)

Solubility (in water) Not available

Relative Density (C10-C13 Isoalkanes): 0.76, 15.6°C (60.1°F)

Evaporation Rate (C10-C13 Isoalkanes): 1

Octanol/Water partition coefficient (Kow) (C10-C13 Isoalkanes): 1.5 cSt at 38°C (100°F)

Auto-ignition temperature: 230°C (446°F)

Decomposition temperature: Not Available

Viscosity: Not Available

Section 10: STABILITY AND REACTIVITY

Stability: This material is considered stable at ambient temperatures 70°C (21°C).

Condition to Avoid: Flames, sparks, electrostatic discharge, heat and other ignition sources, moisture.

Incompatible Materials: Strong oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition: Upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

Hazardous Reactions: This product will not undergo polymerization.

Section 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

Component Analysis LD50

C10-C13 Isoalkanes (68551-17-7)

Oral LD50 Rat > 5,000 mg/kg

Inhalation LC50 Rat > 4.9 mg/l

Dermal LD50 Rat > 5,000 mg/kg

Skin No Skin Irritation Based on data obtained from similar substances

Eye No Eye irritation based on data obtained from similar substances

Did not cause sensitization on laboratory animals based on data obtained from similar substances.

CHRONIC EFFECTS:

Component

C10-C13 Isoalkanes (68551-17-7)

Carcinogenic Effects: Not classifiable as a human carcinogen

Mutagenic Effects: Tests on bacterial or mammalian cell cultures did not show mutagenic effects

Teratogenic Effects: Animal testing did not show any effects on fetal development

Developmental Toxicity: Not Available

Target Organs: Not Available

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: C10-C13 Isoalkanes (68551-17-7)

96 Hr LL50 Oncorhynchus mykiss (rainbow trout): >1,000 mg/l

48 Hr EL50 Daphnia magna (Water flea) > 1,000 mg/l

72 Hr EL50 Pseudokirchneriella subcapitata (green algae) > 1,000 mg/l

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

Section 14: TRANSPORT INFORMATION

Proper Shipping Name: Combustible Liquid, n.o.s.

Hazard Class: Comb. Liq.

Identification No.: NA1993

Packing Group: III

Label: Combustible (Bulk)

Section 15: REGULATORY INFORMATION

TSCA Inventory This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

SARA 302/304 The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. No components were identified.

SARA 313: No components were identified.

CERCLA The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances present in this product or refinery stream that may be subject to this statute are: No components were identified.

SARA 311/312 Hazard The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR 370.2. This material would be classified under the following hazard categories: fire

California Prop 65: No components were identified.

Section 16: OTHER SUPPLEMENTAL INFORMATION

Last Revision Date: 28 August 2006

Preparation Date: 06 May 2015

Approved by: Troy Bergstedt, Director of Chemical Research, (218) 628-2217 ext. 142

Disclaimer:

The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under direct supervision, no representation is made that the information is accurate, reliable, complete, or representative and Buyer may rely thereon only at the Buyer's risk. We make no guarantee that the health and safety precautions we have suggested will be adequate for all individuals and / or situations involving its handling and uses. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.