

VS Clean

Cat# TCR-CN001-250, TCR-CN001-1000

rev.4/25

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: VS Clean
 PRODUCT CODE: TCR-CN001-250, TCR-CN001-1000
 MANUFACTURER: ThinkCyte Inc.
 ADDRESS: 1100 Island Drive, Redwood city, CA 94065
 WEBSITE: <https://thinkcyte.com>

SECTION 2: HAZARD IDENTIFICATION

Physical hazards: Not classified.
 Health hazards: Skin corrosion/irritation, Category 2.
 Serious eye damage/eye irritation: Category 1.
 Environmental hazards - Not classified.
 OSHA defined hazards - Not classified.

Precautionary Statements

Prevention: Wash thoroughly after handling. Wear protective gloves and eye protection.
 Response IF ON SKIN: Wash with plenty of water.
 If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
 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.
 Storage: Store away from incompatible materials.
 Disposal: Dispose of container in accordance with local, regional, national and international regulation.
 Hazard(s) not otherwise classified (HNO).
 Label elements.



Signal word: Warning, Corrosive

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical name, Common name and synonyms CAS number: Sodium hypochlorite 7681-52-9.

Composition Comments

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

SECTION 4: FIRST AID MEASURES

Inhalation: If breathed in, move the person into fresh air.

Most important symptoms/effects, acute and delayed: Indication of immediate medical attention and special treatment needed.

General information:

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Have a person sip a glassful of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Treat for surrounding material.

Unsuitable extinguishing: Do not use a water jet as an extinguisher, as this will spread the fire.

Media Specific hazards arising from during fire, gasses hazardous to health may be formed. The chemical Special protective equipment, self-contained breathing apparatus and full protective clothing must be worn in case of fire and precautions for firefighters.

Fire fighting: Move containers from the fire area if you can do so without risk.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards: No unusual fire or explosion hazards noted.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up: Keep unnecessary personnel away. Keep people away from an upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Prevent entry into basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush the area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean the surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

SECTION 7: HANDLING AND STORAGE

Avoid contact with eyes and skin. Provide adequate ventilation. Wear appropriate personal protective equipment.

Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using, do not eat or drink. The product contains a strong oxidizer. Occupational exposure limits: Reclose the cap tightly after each use. Degrades with age and exposure to heat and sunlight. Store upright in a cool, dry area, away from direct sunlight and heat. In case of a spill, flood areas with large quantities of water. Keep the container tightly closed in a cool, dry, and well-ventilated place. Store at RT.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components Type Value: Sodium hypochlorite (CAS 7681-52-9)

Biological limit values: No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses with side shields.

Hand protection: For prolonged use, wear rubber gloves. Others wear appropriate chemical resistant clothing.

Respiratory protection: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2)

Thermal hazards: Not applicable.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wash hands before breaks and immediately after handling the product. When using, do not eat or drink

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear.

Physical state: Liquid.

Color: Clear to Light yellow.

Odor threshold: Not available.

pH 11.8 - 12.9

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable under normal conditions. Possibility of hazardous reactions.

Hazardous reaction has not been reported.

Conditions to avoid: Exposure to air or moisture over prolonged periods

Incompatible materials: Strong acids, bases and Strong oxidizing agents

Hazardous decomposition products: Carbon oxide

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation - No adverse effects due to inhalation are expected. Excessive intentional inhalation may cause respiratory tract irritation.

Skin contact- Causes skin irritation.

Eye contact - Causes serious eye damage.

Ingestion - May cause stomach distress, nausea or vomiting. Symptoms related to the physical, chemical and toxicological characteristics - severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. Information on toxicological effects - acute toxicity, see below:

Components Species Test Results - Sodium hypochlorite (CAS 7681-52-9).

Skin corrosion/irritation - Causes skin irritation.

Exposure minutes - Not available.

Erythema value - Not available.

Oedema value - Not available.

Serious eye damage/eye - Causes serious eye damage.

Respiratory sensitization - Not a respiratory sensitizer.

Skin sensitization - This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

IARC Monographs

Overall Evaluation of Carcinogenicity: Sodium hypochlorite (CAS 7681-52-9).

Volume 52 - 3 Not classifiable as carcinogenic to humans.

OSHA Specifically

Regulated Substances (29 CFR 1910.1001-1052) - Not regulated.

US. National Toxicology Program (NTP):

Reproductive toxicity - This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity (single exposure): Not classified.

Specific target organ toxicity (repeated exposure): Not classified

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity - This product is toxic to fish, aquatic invertebrates, oysters, and shrimp.

Components Species Test Results - Sodium hypochlorite (CAS 7681-52-9).

Persistence and degradability - Not available.

Bioaccumulative potential - Not available.

Mobility in soil - Not available.

Mobility in general - Not available.

Other adverse effects - Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste from residues/unused products:

UNITED STATES

1100 Island Drive, STE 203 Redwood City, CA

JAPAN

7-3-1 Hongo, Bunkyo, Tokyo

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Contaminated packaging: Collect and reclaim or dispose in sealed containers at licensed waste disposal sites. Do not allow this material to drain into sewers/water supplies.

Do not contaminate ponds, waterways or ditches with chemicals or used containers. Dispose of contents/container in accordance with local/regional/national/international regulations.

IF EMPTY: Nonrefillable container. Do not reuse or refill the container. Offer for recycling, if available. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. Since emptied containers may retain product residue, follow label warnings even after the container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: REGULATORY INFORMATION

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear protective eyewear and rubber gloves when handling this product. Wash thoroughly with soap and water after handling.

Avoid breathing vapors and use only in a well-ventilated area. Remove and wash contaminated clothing before reuse.

PHYSICAL OR CHEMICAL HAZARDS

Product contains a strong oxidizer. Always flush drains before and after use. Do not use or mix with acids or products containing ammonia. To do so will release hazardous irritating gasses.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart. D): Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4): Sodium hypochlorite (CAS 7681-52-9) Listed.

SARA 304 Emergency release notification: Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052): Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA) SARA 302: Extremely No hazardous substance.

SARA 311/312 Hazardous: Yes.

Classified hazard categories: SARA 313 (TRI reporting) - Not regulated.

Other federal regulations: Skin corrosion or irritation: Serious eye damage or eye irritation.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) : Not regulated.

Safe Drinking Water Act(SDWA) - Not regulated.

Food and Drug Administration (FDA) - Not regulated.

U.S. state regulations, see below:

U.S. Illinois Chemical Safety Act: Listed substance - Sodium hypochlorite (CAS 7681-52-9)

U.S. Louisiana Spill Reporting: Listed substance - Sodium hypochlorite (CAS 7681-52-9) Listed.

U.S. Minnesota Haz Subs: Listed substance - Sodium hypochlorite (CAS 7681-52-9) SODIUM HYPOCHLORITE.

US. California Controlled Substances

CA Department of Justice (California Health and Safety Code Section 11100) - Not listed.

U.S. Massachusetts RTK - Substance List Sodium hypochlorite (CAS 7681-52-9).

U.S. New Jersey Worker and Community Right-to-Know Act - Sodium Hypochlorite (CAS 7681-52-9).

U.S. Pennsylvania Worker and Community Right-to-Know Law - Sodium hypochlorite (CAS 7681-52-9).

California Proposition 65: This product is not subject to warning labeling under the California Proposition 65 regulation.

SECTION 15: OTHER INFORMATION:

Not Applicable.

DISCLAIMER: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Thinkcyte, shall not be held liable for any damage resulting from handling or from contact with the above product.