



TRANSFORM[©]

Automotive Deodorizing and Sanitizing System

TRANSFORM[®]

- Transform[®] Sanitizer can be diluted 200 times more than bleach and still kill germs, bacteria and viruses at the same rate. The product is so safe that the FDA allows it to be used directly on food. It is strong enough to kill Coronavirus, E. coli, MRSA, Staph and Listeria and has no effect when sprayed directly on the skin.
- Transform[®] offers a pure ClO₂ solution that is extremely effective at very low concentrations and carries the lowest toxicity profile. The object of this exercise was to kill 99.999% of all Staphylococcus Aureus (Staph) within one minute. Then other sanitizers were used to do the same thing. The difference? Look how much more concentrate was necessary when compared to Transform product.

Efficient Anti-bacterial/Anti-viral Power

Disinfectant	Concentration (PPM)
Bleach	1,000
"Stabilized" Chlorine Dioxide	1,200
Iodophur	440
Peroxide	68,000
Glutaraldehyde-Phenol	1,200
Acid Glutaraldehyde	2,200
Acidified Quat	1,200
Phenolic	380
Peracetic Acid	400
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TRANSFORM[®]

- Transform[®] is a system for sanitizing & disinfecting
- Patented sophisticated antimicrobial technology
- EPA registered and FDA approved
- Ultra-pure chlorine dioxide (99.99%) no other comparable products on the market.
- Environmentally safe... applied to all interior surfaces of a vehicle in less than five minutes.
- User friendly... just add water.

TRANSFORM[®]

“SANITIZED FOR YOUR PROTECTION”



SAFETY DATA SHEET

SECTION 1 • COMPANY AND CHEMICAL IDENTIFICATION

MetroTech Automotive
2101 Wilkinson Blvd.
Charlotte, NC 28208
(800) 727-7400 (8:30 AM – 5:00 PM EST)

EMERGENCY SOURCE INFORMATION
24-Hour Emergency Chemtrec: 800-424-9300

SUBSTANCE: Aqueous chlorine dioxide
PRODUCT: Chlorine dioxide
PRODUCT/TRADE NAMES/SYNONYMS: Various

Other trade names: chlorine dioxide, ClO₂, pure chlorine dioxide, pure ClO₂

RESTRICTIONS: For industrial and commercial use

CREATED BY: MetroTech Automotive

CREATION DATE: 8/22/2018 REVISION DATE: NA

SECTION 2 • HAZARD IDENTIFICATION

PRODUCT: Chlorine dioxide
SIGNAL WORD: CAUTION

Potential respiratory tract irritant. Potential eye irritant.

Precautionary statements: Wash exposed areas after handling. Do not use in close-confined spaces.

SECTION 3 • COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT

COMPONENT	CASRN	RANGE
Chlorine Dioxide	10049-04-4	0.0005% - 0.001%

SECTION 4 • FIRST AID MEASURES

CONTACT WITH LIQUID PRODUCT

SKIN: Irritation not anticipated at use concentrations. If symptoms occur, rinse affected areas with water.

EYES: Hold eye open and rinse slowly and gently. If possible, remove contact lenses. If irritation persists, obtain medical attention.

INHALATION: Not applicable at use concentrations. If symptoms occur, remove to fresh air. Seek medical attention if symptoms persist.

INGESTION: Rinse mouth with water. If symptoms occur, seek medical attention.

NOTE: Have the product container or label with you when seeking medical aid.

SECTION 5 • FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARD: Not applicable at use concentrations.

EXTINGUISHING MEDIA: Not applicable at use concentrations.

FIREFIGHTING: Not applicable at use concentrations.

HAZARDOUS COMBUSTION PRODUCTS: Not applicable at use concentrations.

SECTION 6 • ACCIDENTAL RELEASE MEASURES

PRODUCT:

If product is spilled, or otherwise introduced into the environment at use concentrations:

- Soak up spillage and dispose of down drain and in accordance with local ordinance.

SECTION 7 • HANDLING AND STORAGE

HANDLING: Use product as directed by label. Wash hands after handling. Do not use in close-confined spaces.

STORAGE: Not applicable. Product not stored at use concentrations.

SECTION 8 • EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: General exhaust ventilation is sufficient for safe use of this product.

EYE PROTECTION: Not applicable at use concentrations.

EMERGENCY WASH FACILITIES: None normally required when handling product at use concentrations.

GLOVES: Not applicable at use concentrations.

RESPIRATOR: Not applicable at use concentrations.

FOR FIREFIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS: For firefighting, see section 5.

EXPOSURE LIMITS:

PRODUCT	CASRN	OSHA	ACGIH	NIOSH
Chlorine dioxide (airborne)	10049-04-4	0.1 ppm/8hrs	0.1 ppm/10hrs 0.3 ppm STEL	0.1 ppm/10hrs 0.3 ppm STEL

SECTION 9 • PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Pale brown liquid	SOLUBILITY: COMPLETE
UPPER/LOWER FLAMMABILITY LIMITS: NA	INITIAL BOILING POINT & BOILING RANGE: NA
ODOR: NA at use concentrations	FLASH POINT: NA
VAPOR PRESSURE: NA	EVAPORATION RATE: NA
ODOR THRESHOLD: NA	FLAMMABILITY: NA
VAPOR DENSITY: NA	PARTITION COEFFICIENT: NA
pH: >6.0	AUTO-IGNITION TEMPERATURE: NA
RELATIVE DENSITY: NA	DECOMPOSITION TEMPERATURE: NA
MELTING/FREEZING POINT: 32 degrees F.	VISCOSITY: NA

SECTION 10 • STABILITY AND REACTIVITY

STABILITY: Product is stable under normal storage conditions.

CONDITIONS TO AVOID: Avoid the accumulation of high concentrations of gasses emitted from product.

INCOMPATIBILITIES: Avoid accidental contact with other chemicals such as strong oxidizing agents, excessive heat, sunlight.

HAZARDOUS DECOMPOSITION: Not applicable at use concentrations.

SECTION 11 • TOXICOLOGY INFORMATION

CARCINOGEN STATUS: Not Listed.

TARGET ORGANS: Not applicable at use concentrations.

ADDITIONAL DATA: None.

DERMAL SENSITIZATION: Not applicable at use concentrations.

ACUTE INHALATION: Not applicable at use concentrations.

CARCINOGEN STATUS: OSHA: Not Listed.

NTP: Not Listed.

IARC: Not Listed.

HEALTH EFFECTS FROM EXPOSURE TO ACTIVATED PRODUCT:

None anticipated at use concentrations.

SECTION 12 • ECOLOGICAL INFORMATION

ACUTE AQUATIC TOXICITY: Not applicable.
DEGRADABILITY: Decomposes in water.
BIOCONCENTRATION FACTOR (BCF): Not applicable.
OCTANOL/WATER PARTITION COEFFICIENT: Not applicable.

SECTION 13 • DISPOSAL INFORMATION

Used/activated product sachets are considered inert; consult with appropriate agencies to determine appropriate disposal methods.

SECTION 14 • TRANSPORTATION INFORMATION

Transportation of activated chlorine dioxide not necessary, as this product is intended for use on site.

SECTION 15 • REGULATORY INFORMATION

US FEDERAL REGULATIONS:
Clean Air Act: Not applicable.
CERCLA SECTION 103 (40 C.F.R. § 302.4): Not applicable.
SARA SECTION 302 (40 C.F.R. § 355.30): Not applicable.
SARA SECTION 304 (40 C.F.R. § 355.40): Not applicable.
SARA (EPCRA) SECTION 313 (40 C.F.R. § 372.65): Chlorine dioxide produced from activated product is listed under SARA 313, with a 25,000-pound threshold for manufactured product.

OSHA PROCESS SAFETY (29 C.F.R. § 1910.119): Not regulated.
SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40 C.F.R. § 370.21): 10,000 lb

ACUTE HAZARD: Not applicable at use concentrations.
CHRONIC HAZARD: Not applicable at use concentrations.
FIRE HAZARD: Not applicable at use concentrations.

REACTIVITY HAZARD: Oxidizer.
SUDDEN RELEASE HAZARD: Not applicable.

STATE REPORTING REQUIREMENTS:
California Proposition 65: Not regulated.
New Jersey: See Section II.

SECTION 16 • OTHER

DISCLAIMER OF WARRANTY

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