



# GO<sub>2</sub> Material Safety Data Sheet




## HOT LINE NUMBER

Have the product container or label with you when calling the poison control center or doctor, or going for treatment. You may also contact **1-800-424-9300** for emergency medical treatment information.

Chemical Product	GO <sub>2</sub> Component A	GO <sub>2</sub> Component B
<b>1</b> <b>Manufacturer Identification</b>	<b>Produced in the United States.</b> <b>Distributed by: GO<sub>2</sub> International, 2625 Townsgate Road, Suite 330, Westlake Village, CA 91361, USA</b> <b>Toll-Free +1.877.369.4872 Email: info@go2intl.com</b>	
<b>2</b> <b>Composition/Ingredients</b>	<i>Chemical characterization</i> Powder composition containing Sodium Chlorite (CAS 7758-19-2) and additives <i>EINECS-Nr./EC-Nr./ELINCS-Nr.</i> 231-836-6 <i>Danger Symbol</i> <b>O</b> (oxidizing)	
<b>3</b> <b>Hazard Information</b>	Harmful if swallowed Contact with combustible material may cause fire Toxic on contact with skin Develops chlorine dioxide on contact with acids Causes burns	Powder composition containing Sodium Bisulfate Anhydrous (CAS 7681-38-1) and additives 231-655-7 <b>C</b> (corrosive) <b>CORROSIVE. CAUSES BURNS TO ANY AREA OF CONTACT.</b> <b>MAY BE HARMFUL OR FATAL IF SWALLOWED.</b> Causes burns
<b>4</b> <b>First Aid Measures</b>	<i>General indications</i> Body and eye protection Remove soiled or soaked clothing immediately <i>After inhalation</i> Take affected persons out into fresh air <i>After skin contact</i> If irritations persist: seek medical advice <i>After eye contact</i> Instantly flush with copious amounts of water <i>After ingestion</i> Immediately seek medical advice and show packaging with label to physician <i>Directions for the Doctor</i> Immediately seek medical attention and show packaging with label to physician	Body and eye protection Bring affected person out of danger area Remove soiled or soaked clothing immediately Remove affected persons to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before re-use. Thoroughly clean shoes before re-use. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. Immediately seek medical attention and show packaging with label to physician
<b>5</b> <b>Fire Fighting Procedures</b>	<i>Extinguishing Media</i> Water and foam <i>Unsuitable Extinguishing Media</i> Carbon Dioxide <i>Fire Fighting Instructions</i> Wear protective clothing + self-contained breathing apparatus A fire breakout may cause dangerous smoke & gas In case of fire: instantly separate the two components A & B by placing them in a safe room	Carbon dioxide, quenching foam, dry chemical powder Do not use water Wear protective clothing + self-contained breathing apparatus (SCBA) In case of fire: instantly separate components A & B by placing them in a safe room
<b>6</b> <b>Accidental Spill or Release Procedures</b>	<i>Personal</i> Wear Protective clothing <i>Security rules</i> Recover product and place in an appropriate airtight container <i>Cleaning directions</i> Ventilate and clean the spill area with equipment Avoid formation of dust Rinse spill residue with soda solution and plenty of water	Wear appropriate personal protective equipment as specified in Section 8. Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.
<b>7</b> <b>Handling and Storage of Powders</b>	<i>Handling</i> Avoid formation of dust during handling/pouring Store only in original packaging Do NOT partially use powders; Use entire contents of package Wear protective gloves Protect against humidity <i>Fire and explosion protection instructions</i> Avoid heat Keep away from acids, and combustible materials <i>Storage</i> Store component A and B in separate rooms In original packaging, cool and dry storage room <i>Storage Room</i> Cool, dry, clean and locked <i>Requirements of containers</i> Useable materials are PE, PP, PVC <i>Combined Storage</i> Keep containers dry and clean Keep away from acids, reducing agents and organic substances	Avoid formation of dust during handling/pouring Store only in original packaging Only use content of packaging in one shot. Do NOT partially use powders; Use entire contents of package Wear protective gloves Protect against humidity Avoid heat and sun rays Keep away from acids, and combustible materials Store component A and B in separate rooms In original packaging, cool and dry storage room Cool, dry, clean and locked Useable materials are PE, PP, PVC Keep containers dry and clean Keep away from alkalis, reducing agents and combusting materials
<b>8</b> <b>Exposure Controls / Personal Protection</b>	Keep away from food and beverages When touching clothing immediately rinse with water Avoid skin contact. Wear protective clothing and dust mask Wear Goggles Wear PVC protective gloves	Ensure ventilation of work place Keep away from food and beverages Avoid formation of dust When touching clothing immediately change clothing Avoid skin contact. Wear protective clothing and government approved respirator Wear Goggles Wear PVC protective gloves

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<b>9</b>	<b>Physical/Chemical properties</b>	
<i>Physical state/appearance</i>	▶ Powder/Granulate	▶ Fine Chrystals (solid)
<i>Color</i>	▶ White	▶ White / Yellowish
<i>Odor</i>	▶ Almost Odorless	▶ Odorless
<i>Solubility</i>	▶ 250g/l water (200 C)	▶ 67g /100 gr. water
<i>pH-value</i>	▶ 2-10 approx. 100g/l water	▶ 2 approx. 30g/l water
<b>10</b>	<b>Stability and reactivity</b>	
<i>Thermal critical point &gt;180° C</i>	▶ Thermal critical point >180° C	▶ Boiling point: Not applicable
<i>Product is combustible (do not bring it in contact with other combustible goods)</i>	▶ Product is combustible (do not bring it in contact with other combustible goods)	▶ Decomposition product: Sulfur Oxide
<i>Product is oxidative</i>	▶ Product is oxidative	▶ Avoid contact with other combustible goods
<i>Avoid</i>	▶ Heating reactions, humidity ▶ Reducing Agents (Transformation) ▶ Oxidizers (gas formation) ▶ Acids (gas formation)	▶ Exposure to moisture / humidity ▶ Oxidizers ▶ Strong bases
<b>11</b>	<b>Toxicological information</b>	
<i>Acute oral toxicity</i>	▶ LD50 = 200 – 2000 mg/kg (in rats) (OECD 401)	RTECS # VZ1870000 ▶ LD/LC50 = 193 mg/kg
<i>Dermal toxicity</i>	▶ LD50 = 50 – 400 mg/kg (in rats) (OECD 402)	▶ Causes burns
<i>Irritant on Skin</i>	▶ Corrosive (Rabbit OECD 404)	▶ Harmful if absorbed through skin
<b>12</b>	<b>Ecological and Health information</b>	
<i>Fish toxicity</i>	▶ LC50 (96 h) = 100 – 2000 mg/L (Brachydanoio rerio, OECD 203)	▶ No information found
<i>Bacteria toxicity</i>	▶ EC50 = 100-800 mg/L (OECD209)	▶ Environmental Toxicity: No information found
<b>13</b>	<b>Disposal indications</b>	
<i>Dispose of product in accordance with local regulations</i>	▶ Dispose of product in accordance with local regulations	▶ Dispose of product in accordance with local regulations
<i>Waste key number</i>	▶ 060714	▶ Contact a licensed professional waste disposal service. Dissolve or mix with combustible solvent and burn in chemical incinerator with afterburner and scrubber.
<i>Waste name</i>	▶ Inorganic chemical disposal ▶ Soluble	
<i>Original Packaging</i>	▶ Do not reuse original packaging ▶ Clean empty packaging with water	
<b>14</b>	<b>Transport information</b>	
<i>Dangerous product described by transport regulations GGVs/GGVE/RID/ADR/IMDG-Code/ICAO-TI</i>	▶ Class 5.1 / II	▶ Dangerous product described by transport regulations GGVs/GGVE/RID/ADR/IMDG-Code/ICAO-TI ▶ Class 8 / II
<i>Transport by ADR/RID/IMDG/ICAO/IATA /ICAO classes</i>		
<i>Hazard Number</i>	▶ 50-B	▶ none
<i>UN-number</i>	▶ UN1496	▶ UN3260
<i>MFAG / EmS</i>	▶ 741 / 5.1- 06	▶ 760 / 8 - 15
<i>Product Name</i>	▶ Composition containing sodium chlorite	▶ Corrosive solids, acidic, inorganic, N.O.S.
<i>Remarks</i>	▶ Store in a cool and dry place, keep away from direct light, protect against fire	▶ Marine Pollutant: No
<b>15</b>	<b>Regulations</b>	
<i>Labeling EC-directives 67/548/EECS</i>	▶ The product is classified	▶ The product is classified
<i>Recognition numbers and hazard symbols and signs</i>	<b>O, T</b>  	<b>C</b> 
<i>R-Phrases</i>	<b>8</b> ▶ Contact with combustible material may cause fire <b>22</b> ▶ Harmful if swallowed <b>24</b> ▶ Toxic in contact with skin <b>32</b> ▶ Contact with acids creates toxic gas <b>34</b> ▶ Causes burns	<b>34</b> Causes burns
<i>S-Phrases</i>	<b>1/2</b> ▶ Keep locked up and out of the reach of children <b>14</b> ▶ Keep away from acids <b>17</b> ▶ In case of contact with eyes, rinse immediately with plenty of water and seek medical advice <b>26</b> ▶ Keep away from combustible material <b>36/37/39</b> ▶ Wear suitable protective clothes, gloves, eye/face protection <b>45</b> ▶ In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)	<b>1/2</b> Keep locked up and out of the reach of children <b>17</b> Keep away from combustible material <b>26</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice <b>36/37/39</b> Wear suitable protective clothes, gloves, eye/face protection <b>45</b> In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
	<b>Switzerland</b>	SWISS POISON CLASS: 3
<b>16</b>	<b>Other Information</b>	
<i>Extra Remarks</i>	This information is based on our present state of knowledge and is intended to describe our product with respect to possible safety demands. We provide no guarantee of properties or description of qualities.	
	<b>Always wear respiratory equipment when handling GO<sub>2</sub> 4,000 ppm concentrate to avoid inhalation of ClO<sub>2</sub> gas fumes</b>	