



Comet Chemical Company Ltd.  
3463 Thomas Street Innisfil ,ON L9S 3W4  
Tel: (705) 436-5580 Fax: (705) 436-7194

## Material Safety Data Sheet

### SODIUM METABISULPHITE

Revision Date: 2008/08/08

#### Section 1 : PRODUCT AND COMPANY IDENTIFICATION

**Chemical family:** Not available.

**Product uses:** Metal plating, industrial waste water treatment, pulp bleach, laboratory reagent, food additive.

**Product name:** Sodium Metabisulphite

**Supplier:** Comet Chemical Ltd.  
3463 Thomas Street  
Innisfil, On.  
L9S 3W4.

**Supplier 24 hour phone number:** (705)436-5580 – weekdays from 8:00-5:00.  
(800)567-7455 all other times (Newalta Services).

#### Section 2 : INGREDIENT INFORMATION

C.A.S.	CONCENTRATION %	Ingrédient	V.L.E.	DL/50	CL/50
7681-57-4	100	SODIUM METABISULFITE	5 MG/M3	1131 MG/KG RAT ORAL  > 2000 MG/KG RAT DERMAL	NOT AVAILABLE

#### Section 3 : HAZARD IDENTIFICATION

**Route of entry:** Skin contact, eye contact, inhalation and ingestion.

##### Effects of acute exposure

**Eye contact:** Severe irritant.

**Skin contact:** Mild irritant.

**Skin absorption:** Nil

**Inhalation:** Severe irritant.

**Ingestion:** Gastric discomfort.

**Effects of chronic exposure:** May result in weight loss.  
May cause metabolic problems.

**Sensitization to product:** No

**Carcinogenic effects:** Not listed as a carcinogen.

- Reproductive effects:** None known.  
**Teratogenicity:** Teratogenic effects reported in animals.  
**Mutagenicity:** None known.  
**Synergistic materials:** None known.

#### Section 4 : FIRST AID MEASURES

- Skin contact:** Remove contaminated clothing.  
Wash thoroughly with soap and water.  
Seek medical attention if irritation persists.
- Eye contact:** Flush eyes with clear, running water for 15 minutes while holding eyelids open. If irritation persists, consult a physician.
- Inhalation:** Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.
- Ingestion:** Guard against aspiration of liquids into lungs.  
If vomiting occurs, keep head below hips.  
Never give anything by mouth to an unconscious person.  
Do not induce vomiting, keep person calm.  
Immediately drink plenty of water.  
Obtain emergency medical attention.

#### Section 5 : FIRE FIGHTING MEASURES

- Flammability:** Not flammable.
- Conditions of flammability:** Surrounding fire.
- Extinguishing media:** Suitable for surrounding fire.
- Special procedures:** Firefighters should wear adequate protective gear.  
Self-contained breathing apparatus required.
- Auto-ignition temperature (°C):** Not applicable.
- Flash point (°C), method:** Not applicable.
- Lower flammability limit (% vol):** Not applicable.
- Upper flammability limit (% vol):** Not applicable.
- Explosion Data**
- Sensitivity to static discharge:** Not sensitive.
- Sensitivity to mechanical impact:** Not sensitive.
- Hazardous combustion products:** Sulfur dioxide (SO<sub>2</sub>).  
Sodium monoxide (NaO<sub>2</sub>).
- Rate of burning:** Not available.
- Explosive power:** Not available.

## Section 6 : ACCIDENTAL RELEASE MEASURES

**Leak/Spill:** Dike area to prevent spreading.  
Prevent entry into drains, sewers, and other waterways.  
Ventilate area.  
Wear appropriate protective equipment.  
Sweep up or shovel into appropriate container.

## Section 7 : HANDLING AND STORAGE

**Handling procedures and equipment:** Use adequate ventilation.  
Wear personal protective equipment appropriate to task.  
Avoid breathing dust.  
Wash thoroughly after handling.  
Avoid contact with skin, eyes and clothing.  
Launder contaminated clothing prior to reuse.

**Storage requirements:** Store in a dry place.

## Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

### Precautionary Measures

**Gloves/Type:**



Rubber gloves.

**Respiratory/Type:**



If TLV is exceeded, wear an approved respirator.



With dust/mist prefilter.

**Eye/Type:**



Safety glasses with side-shields.

**Footwear/Type:** Safety shoes per local regulations.

**Clothing/Type:** Long sleeve shirt, long trousers.  
Rubber apron.

**Other/Type:** Eye wash facility should be in close proximity.  
Emergency shower should be in close proximity.

**Ventilation requirements:** Ventilate adequately.  
As needed to stay below TLV.

**Exposure limit of material:** See hazardous ingredients section.

## Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Solid

**Appearance & odor:** White  
Odourless.  
Crystalline.  
Irritating astringent odour when wet.

**Odor threshold (ppm):** None

**Vapour pressure (mmHg):** None

**Vapour density (air=1):** None

### Volatiles (%)

**By volume:** Not available.

**Evaporation rate  
(butyl acetate = 1):** Not available.

**Boiling point (°C):** Will not boil, decomposes.

**Freezing point (°C):** Will not melt, decomposes.

**pH:** (30% solution).  
2.5–3.0

**Specific gravity @ 20 °C:** (density).  
1.48

**Solubility in water (%):** 50%

**Coefficient of water\oil dist.:** Not available.

**VOC:** Not available.

## Section 10 : STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions.

**Conditions of instability:** Contact with incompatible substances.  
When wet creates sulphur dioxide and sulphurous acid.

**Hazardous polymerization:** Will not occur.

**Incompatible substances:** Acids  
Nitrates.  
Nitrites.  
Strong oxidizing agents.

**Hazardous decomposition  
products:** See hazardous combustion products.

## Section 11 : TOXICOLOGICAL INFORMATION

**LD50 of product, species & route:** (estimated).  
>2000 mg/kg rat dermal.  
>2000 mg/kg rat oral.

**LC50 of product, species & route:** Not available.

**Section 12 : ECOLOGICAL INFORMATION**

**Environmental toxicity:** No data at this time.

**Environmental fate:** No data at this time.

**Section 13 : DISPOSAL CONSIDERATIONS**

**Waste disposal:** In accordance with municipal, provincial and federal regulations.

**Section 14 : TRANSPORT INFORMATION**

**TDG classification:** CORROSIVE SOLID, N.O.S. (sodium metabisulphite)  
UN 1759  
Class 8  
PG III.



**Special shipping information:** See transportation information.

**Section 15 : REGULATORY INFORMATION**

**WHMIS classification:**

E, D2B.



**DSL status:** Appears on DSL.

**Section 16 : OTHER INFORMATION**

**Supplier MSDS date:** 2008/08/08

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