



TPC Advanced Technology

851 South Lawson Street
City of Industry CA 91748
800-560-8222 tel
626-810-4245 fax

MATERIAL SAFETY DATA SHEET (1 / 4)

1. Identification of the substance/preparation and of the company/undertaking

Product name: Cleaning powder

Product HS code: 3405.40

Manufacturer: TPC Advanced Technology

Supplier: TPC Advanced Technology

Address : 851 South Lawson Street, City of Industry CA 91748

TEL : 800-560-8222 , FAX : 626-810-4245

Date : Mar. / 20 / 2015

2. Hazards identification

Main Contains: SODIUM BICARBONATE

WARNING !

MAY BE HARMFUL IF SWALLOWED:

HMIS II Hazard Ratings: Health - 1, Flammability - 0, Reactivity (Stability) - 0

NFPA Hazard Ratings: Health - 1, Flammability - 0, Instability - 0

NOTE: HMIS II and NFPA hazard indexes involve data review and interpretation that may vary among companies. They are intended only for rapid, general identification of the magnitude of the potential hazards. in the HMIS II health field, designates potential chronic or target organ hazards. To adequately address safe handling, ALL information in this MSDS must be considered.

3. Composition/information on ingredients

3.1 Contains : Food grade Sodium Bicarbonate

3.2 Synonyms : Sodium Hydrogen Carbonate

3.3 Essential Oils Citrus <0.8 phr

3.4 Untreated Fumed Silica <2.5 phr

3.5 Weight % : NaHCO₃ >99 %

3.6 Components (CAS-No.) :00144-55-8

4. First aid measures

4.1 Inhalation: No suitable testing procedure is available

4.2 Eyes: Any material that contacts the eyes should be washed out immediately with water.

4.3 Skin: Non-irritating ,Wash off with soap and water.

4.4 Ingestion: No suitable testing procedure is available



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5. Fire-fighting measure

- 5.1 Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- 5.2 Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.
- 5.3 Hazardous Combustion Products: None
- 5.4 Risk of Dust Explosion : It's an inorganic dust and will not support conditions that would result in a dust explosion or fire.
- 5.5 Prevention of Fire and Explosion: No special technical protective measures required.

6. Accidental release measure

- 6.1 Methods for cleaning up: Clean up promptly by vacuum. Used a suitable vacuum cleaner.
- 6.2 Personal Precautions : Avoid dust formation. Remove all sources of ignition, ensure adequate ventilation, Use personal protective equipment

7. Handling and storage

- 7.1 Handling : Avoid contact with eyes, skin and dust formation. Do not breath dust, provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Do not created a dust could by using a brush or compressed air, take precautionary measures against static discharge. All metal parts of the mixing and processing equipment must be grounded. Ensure all equipment is electrically grounded before beginning transfer operations.
- 7.2 Storage: Keep container tightly closed in a dry cool and well-ventilated place. Do not store together with Volatile chemicals as they may be adsorbed onto product. Keep at ambient temperature.

8. Exposure controls / personal protection

- 8.1 Exposure controls : Good general ventilation should be used. Ventilation should be sufficient so that applicable occupational exposure limits are not exceeded. Ventilation rates should be matched to conditions, applicable occupational exposure limits are not exceeded. ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances.
- 8.2 Respiratory protection: Approved respirator may be necessary if local exhaust ventilation is not adequate.
- 8.3 Hand protection : Repeated exposure may cause skin dryness or cracking, use protective skin cream before handling the product, Wear suitable gloves.
- 8.4 Eye protection: Wear eyes/face shields protection.
- 8.5 Skin and body protection: Wear suitable protective clothing. No special protective equipment required.



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MATERIAL SAFETY DATA SHEET (3 / 4)

9. Physical and Chemical Properties

- 9.1 Color: White powder
- 9.2 Odor: Food grade Essential Oils Citrus
- 9.3 Specific gravity: Not applicable
- 9.4 Vapor pressure: Not applicable
- 9.5 Vapor density: 2.16 g/cm³
- 9.6 Volatile : Not applicable
- 9.7 Boiling point/range: 270° C
- 9.8 Water solubility: Soluble with reference to CNS 439 and SGS test results.
- 9.9 pH value: 8.1 with reference to CNS 439 and SGS test results.
- 9.10 Flash point: Not determined

10. Stability and reactivity

- 10.1 Stability: Normal - With reference to CNS 439 method and SGS test results.
- 10.2 Incompatibility: None with common materials and contaminants.
- 10.3 Hazardous Polymerization: Hazardous polymerization does not occur.
- 10.4 Mechanical sensitivity : Not sensitive to mechanical impact..

11. Toxicological information

- 11.1 Diethylene glycol – With reference to FDA method. Analysis was performed by GC/MS
Results – N.D. MDL – 100 Unit – ppm/(mg/kg)- SGS test results.
- 11.2 Heavy Metal as Pb – With reference to CNS 439.
Results – <20 MDL – N.A. Unit – ppm - SGS test results.
- 11.3 Triclosan - With reference to CNS 439 method. Analysis was performed by HPLC/DAD
Results – N.D. MDL – 0.0002 Unit – mg/kg - SGS test results.
- 11.4 Eye irritation : Non-irritating
- 11.5 Skin irritation : Non-irritating
- 11.6 Dermal LD50 : LD50/dermal/rabbit >4220mg/kg
- 11.7 Oral LD50 : LD50/oral/rabbit >5000mg/kg
- 11.8 Inhalation LC50 : No suitable testing procedure is available.



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12. Ecological information

- 12.1 Aquatic toxicity : Fish ECO -96 hours > 10,000 mg/L (Method : OECD 203)
Daphnia magna ECO – 24 hours > 10,000 mg/L (Method : OECD 202)
- 12.2 This product won't cause adverse effects on aquatic plants and animals if released into an aquatic environment

13. Disposal considerations

Can be landfill or incinerated .Discharge, treatment, or disposal is subject to national, state, provincial, or municipal laws

14. Transport information

None classified as dangerous in the meaning of sea and air transport regulation

15. Regulatory information

None hazardous substance or preparation according to EC-directives 67/548/EEC or 99/45/EC and their various.

16. Other information

The data in this MSDS relates only to the specific material designs herein