

Safety Data Sheet

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

Product details:

Product name: Nano carbon smother

Product Code: ncbs-1 ncbs-2

Recommended use of the chemical and restrictions on use:

Additive for battery. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

Manufacturer/Supplier: Core Business, Inc

Address: Deguchi Nipponbashi Bldg. 7F 2-5-4

Nipponbashi, Chuo-ku, Osaka, 542-0073, Japan

Tel: 81-6-6845-2048

Email: t-kawagoshi@core-biz.co.jp

Further information obtainable from: Core Business, Inc

Information in case of emergency: 81-80-5359-0117

2. Hazards identification

.GHS classification:

Physical hazards: Not classified.

Health hazards: Not classified.

Environmental hazards: Not classified.

Signal Word: Not applicable

Symbol: Not applicable

Hazard Statements:

No relevant classification for this product.

Precautionary Statements:

No special requirements.

Response Precautionary Statements:

No special requirements.

Storage precautionary statements:

No special requirements.

Disposal precautionary statements:

No special requirements.

3. Composition/information on ingredients

Product description: substance (); preparation/mixture (√)

Ingredient (s)	CAS No.	EC No.	% by weight
Pure water	7732-18-5	231-791-2	≥98%
Carbon nano tube	308068-56-6	--	0.05-2%
Surfactant	--	--	Balance

4. First aid measures

Persons using this product should consult a physician or other medical professional if an accident involving this product results in injury. Specific first-aid measures are as follows:

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. get medical attention if you feel unwell.

Skin Contact: Wash with soap and water. If irritation occurs, get medical attention.

Eyes Contact: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do-continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth. Do not induce vomiting without doctor's instruction.

Acute effect and delayed effect: Acute effect: not found. Delayed effect: not found.

Personal protective equipment: Wear protective gloves/protective clothing/eye protection/face protection when necessary.

Indication of immediate medical attention and treatment needed, if necessary: Treat according to symptoms and exposure dose.

5. Fire-fighting measures

Extinguishing Media: Use CO₂, chemical powder and foam for extinction.

Special hazards arising from the chemical:

Extinguish fire from upwind and cool down containers by water spray.

Remove containers from fire area if it can be done without risk.

Deny unnecessary entry to the place around the fire.

Special actions for fire-fighters: Firefighters must wear self-contained breathing apparatus and full protective equipment.

Check whether the protective equipment is in good condition before use.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental precautions: Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

Methods and material for containment and cleaning up:

Small Spill:

Mop up or absorb with an inert dry material (e.g. sand, dry lime) and place in an appropriately labeled waste disposal container.

Large Spill:

Isolate contaminated area and set up a warning board. The persons handling emergency are recommended wearing protective clothing. Do NOT touch spilled material.

Build up dike or dig pit for collection. Collect the spilled material with appropriate tools into an appropriate container and transport the waste to the disposal place.

7. Handling and storage

Precautions for safe handling:

Wash hands thoroughly after handling.

Avoid damage of packaging or containers during handling.

Conditions for safe storage, including any incompatibilities: No information available.

Incompatible substances or mixtures: No information available.

Packing material: Plastic bottles

8. Exposure controls/personal protection

Occupational Exposure Limits:

Ingredients	Indonesia OELs-TWA	OSHA PEL-TWA	ACGIH TLV-TWA
No ingredients have an exposure limit	No data available	No data available	No data available

Engineering Controls:

Install washer eyes and safety showers near to the handling and storage area.

Shows the location of these facilities, with a clear and prominent warning board.

Personal Protective Equipment (for workers) :

Protection of Hands:

Wear impermeable rubber gloves. (e.g. Rubber gloves)



Protection of Eyes:

No special requirements under normal conditions. Wear safety glasses when liquid may splash.



Respiratory Protection: No special requirements under normal conditions.

Protection of Body: Recommend wearing general working clothing.

.General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale vapour generated from processing.

Avoid contact with eyes and skin.

9. Physical and chemical properties

General Information	
Form	Liquid
Colour	Black
Odour	Odorless
pH	No data available
Boiling range	No data available
Melting point/Melting range	<0 °C
Flash Point	> 100 °C
Flammable/Explosive Limits-Lower Vol %	No data available
Flammable/Explosive Limits-Upper Vol %	No data available
Relative density	No data available
Relative vapour density	No data available
Vapour pressure	17.5mmHg (20 °C)
Solubility	No data available
n-octanol/Water partition coefficient	No data available
Igniting temperature	No data available
Decomposition temperature	No data available
Odour threshold value	No data available
Viscosity	No data available
Evaporation rate	No data available
Flammability (solid, gas, etc.)	This product is not classified as flammable liquid.

10. Stability and reactivity

Reactivity and Chemical stability: This product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions: No relevant information.

Conditions to Avoid: No relevant information.

Incompatible materials: No relevant information.

Hazardous decomposition products: No relevant information.

11. Toxicological information

Product Toxicity Data: The toxicity data of this product has not been determined by testing or research, the toxicity data shown below is for reference only.

Ingredient (s)	CAS number	LD ₅₀ /LC ₅₀ (Median lethal dose)
No data available	No data available	No data available

Skin corrosion/irritation: No classification for this product.

Serious eye damage/eye irritation: No classification for this product.

Respiratory sensitizer: No classification for this product.

Skin sensitizer: No classification for this product.
Germ cell mutagenicity: No classification for this product.
Carcinogenicity: No classification for this product.
Reproductive Toxicity: No classification for this product.
STOT-single exposure: No classification for this product.
STOT-repeated exposure: No classification for this product.
Aspiration hazard: No classification for this product.

12. Ecological information

Ecotoxicity: No data available for the whole product.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.

13. Disposal considerations

Waste treatment methods:

Minimize the hazard of waste by the methods of neutralization and stabilization.
Any disposal practice must be in compliance with country, local, state, and federal laws and regulations.
After contents are completely removed, dispose of its container at hazardous or special waste collection point.
Paste a label on the container indicating the possible hazards of the waste.

14. Transport Information

DOT/Air-Transportation- IATA/ICAO/Sea-Transportation-IMO/IMDG:

Proper Shipping Name: Not available
Hazard Class: Not available
UN Code: Not available
Packing Group: Not available
Packing Group Symbol: Not available
Marine Pollutant (Yes/No):No
EMS NO.: Not available

Note:

Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

15. Regulatory information

Indonesia:

Decree of Ministry of Industry No.23/M/-IND/PER/4/2013

Physical hazards: Not classified

Health hazards: Not classified

Environmental hazards: Not classified

Decree of Ministry of Environment No.3/2008: It complies with relevant regulations.

United States:

TSCA (Toxic Substance Control Act): Pure water(CAS:7732-18-5) is listed in the U.S. Toxic Substances Control Act Chemicals Substance Inventory List.

Clean Water Act:

Chemical Name	Reportable Quantities	Toxic Pollutants	Priority Pollutants	Hazardous Substances
Not applicable	Not applicable	Not listed	Not listed	Not listed

Carcinogenicity categories: Not listed by EPA, NTP, ACGIH and IARC.

Section 355 (extremely hazardous substances): Not listed

SARA 313: Not listed

EU:

(EC) 1272/2008 Annex VI Table 3.1:

Ingredient(s)	EC No. 1272/2008 Classification	
	CLASS. CODE	HAZARD CODE
Not applicable	Not applicable	Not listed

Candidate List of Substances of very high concern (SVHC) according to ECHA: Not listed

REACH Regulation Annex XVII Regulation List: Not listed.

REACH Regulation Annex XIV Authorization List: Not listed.

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

DISCLAIMER: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

References:

GHS (the 4th version)

Decree of Ministry of Industry Indonesia No. 24/M- IND/PER/5/2006

Decree of Director General of Agrochemical Industry No.21/IAK/PER/4/2010

Decree of Ministry of Industry No.87/M-IND/PER/9/2009

Decree of Ministry of Industry No.23/M-IND/PER/4/2012

Decree of Ministry of Industry No.23/M/-IND/PER/4/2013

Full description of some acronyms:

GHS-Globally Harmonized System of Classification and Labelling of Chemicals

CAS-Chemical Abstracts Service

EINECS-European Inventory of Existing Commercial Chemical Substances

IMO-International Maritime Organization

IMDG-International Maritime Dangerous Goods

IATA-International Air Transport Association

IARC- International Agency for Research on Cancer

NTP- The National Toxicology Program

ICAO-International Civil Aviation Organization

TSCA-Toxic Substance Control Act

OSHA-Occupational Safety and Health Administration

ACGIH-American Conference of Governmental Industrial Hygienists

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*****The End*****