

SAFETY DATA SHEET

NANO GDA

Version:2


Review date: 7/06/2016

RE EC/830/2015 - CLP 1272/200

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1. 1. Product identifier: NANO GDA
1. 1. 1. Contains: • Inorganic fullerene-like tungsten disulfide
1. 1. 2. EC number: Not applicable.
1. 2. Relevant identified uses of the substance or mixture and uses advised against: For more information, to consult the chart.
1. 3. Details of the supplier of the safety data sheet: SELD
6 rue Jules Guesde – ZI du Pontet
F-69360 Saint Symphorien d'Ozon
France
Phone: +33 (0)4 37 25 16 16
Fax: +33 (0)4 78 21 80 70
E-mail: contact@mecatech-performances.com
1. 4. Emergency telephone number: Emergency phone number (to be used by the practising doctor):
UK - National Poisons Information Service Phone: 44 / 191 22 5131
1. 5. Product code nr: MT020

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture: * Skin Irrit. 2 / GHS07 - H315 *
* Irr. oc. 2 / H319 *
* STOT SE 3 / GHS07 - H335 and H336 *
2. 2. Label elements:
- 
Warning
2. 2. 1. Symbol(s) and signal word: .
2. 2. 2. Hazard statement: H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
2. 2. 3. Prevention: P264 Wash Hands thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P271 Use only outdoors or in a well-ventilated area.
2. 2. 4. Response: P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P321a Specific treatment (see item nr 4.3.).
P332+P313 If skin irritation occurs: Get medical advice / attention.
P362 Take off contaminated clothing.
P364 And wash it before reuse.
P305 IF IN EYES:
P351 Rinse cautiously with water for several minutes.
P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice / attention.
P304 IF INHALED:
P340 Remove person to fresh air and keep comfortable for breathing.
P312a Call a POISON CENTER / doctor if you feel unwell.
2. 2. 5. Storage: P403 Store in a well-ventilated place.
P233 Keep container tightly closed.
P405 Store locked up.
2. 2. 6. Disposal: P501a Dispose of contents / container in accordance with local / regional / national / international regulation

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2. 3. Further information(s):
2. 4. Most important hazards: none
2. 5. Other hazards: none

3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard:
- Inorganic fullerene-like tungsten disulfide
 - CE nr: 235-243-3 - CAS nr: 12138-09-9
 - Conc. (weight %): $60 < C \leq 70$
 - GHS (Globally Harmonized System)
 - * GHS07 - Exclamation mark - Warning - STOT SE 3 - H335 - Skin Irrit. 2 - H315 - Irr. oc. 2 - H319

The wording of the sentences are mentioned at heading 16.

4. FIRST AID MEASURES

4. 1. Description of first aid measures:
4. 1. 1. General advice: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
4. 1. 2. Inhalation: Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.
4. 1. 3. Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.
4. 1. 4. Eye contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.
4. 1. 5. Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
4. 2. Most important symptoms and effects, both acute and delayed: There is no data available on the product itself.
4. 2. 1. Inhalation: No data available.
4. 2. 2. Skin contact: Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
4. 2. 3. Eyes contact: Splashes in the eyes may cause irritation and reversible local damage.
4. 2. 4. Ingestion: No data available.
4. 3. Indication of any immediate medical attention and special treatment needed: In all cases of doubt, or when symptoms persist, seek medical attention.

5. FIREFIGHTING MEASURES

5. 1. Extinguishing media: alcohol-resistant foam, carbon dioxide (CO₂), powder.
5. 2. Special hazards arising from the substance or mixture: Fire will produce dense black smoke. Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.
5. 3. Advice for firefighters: Wear a self contained breathing apparatus.
5. 4. Specific method(s): Cool closed containers exposed to fire with water spray.

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5. 5. Extinguishing media which must NOT be used for safety reasons: Do not use water jet.

6. ACCIDENTAL RELEASE MEASURES

6. 1. Personal precautions, protective equipment and emergency procedures: Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.
6. 2. Environmental precautions: Do not allow to enter drains or water courses.
6. 3. Methods and material for containment and cleaning up: Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth
Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).
6. 4. Reference to other sections: None

7. HANDLING AND STORAGE

7. 1. Handling:
7. 1. 1. Precautions for safe handling: Smoking, eating and drinking is prohibited in areas of storage and use.
For personal protection, see Section 8.
7. 1. 2. Technical condition(s): Keep only in the original container.
7. 1. 3. Safe handling advice(s): Read label before use.
7. 2. Storage:
7. 2. 1. Conditions for safe storage, including any incompatibilities: Keep out of the reach of children.
7. 2. 2. Storage condition(s): Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
Store at temperatures between 5°C and 40°C
7. 2. 3. Separation of incompatible product(s): Store separately from oxidising agents and strongly alkaline and strongly acidic materials.
7. 2. 4. Packaging / tank material: made of the same material as the supply container.
7. 3. Specific end use(s): There is no data available on the product itself.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8. 1. Control parameters:
8. 1. 1. Exposure limit(s): Not applicable.
8. 1. 2. Engineering measure(s): Care about sufficient air renewal.
8. 2. Exposure controls:
8. 2. 1. Respiratory protection: No personal breathing protective equipment is normally required.
8. 2. 2. Hand protection: nitrile rubber gloves
8. 2. 3. Skin and body protection: Wear suitable protective clothing
8. 2. 4. Eye protection: safety glasses

9. PHYSICAL AND CHEMICAL PROPERTIES

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9. 1. Information on basic physical and chemical properties:

9. 1. 1. Appearance:	liquid
9. 1. 2. Colour:	amber
9. 1. 3. Odour:	characteristic
9. 1. 4. PH:	Not applicable.
9. 1. 5. Boiling point/range:	> 200°C
9. 1. 6. Flash point:	pas de point d'éclair°C
9. 1. 7. Explosion limits:	Explosive limits are unknown in literature.
9. 1. 8. Relative density (water = 1):	No data available.
9. 1. 9. Viscosity:	Not determined.

9. 2. Other information:

9. 2. 1. Water solubility:	immiscible
9. 2. 2. Fat solubility:	completely miscible
9. 2. 3. Solvent solubility:	soluble in some specific organic solvents

10. STABILITY AND REACTIVITY

10. 1. Reactivity:	Stable under the recommended storage and handling conditions. (See Section 7).
10. 2. Chemical stability:	No data available.
10. 3. Possibility of hazardous reactions:	None
10. 4. Conditions to avoid:	None
10. 5. Incompatible materials:	Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.
10. 6. Hazardous decomposition products:	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, N _x O _y .

11. TOXICOLOGICAL INFORMATION

11. 1. Information on toxicological effects:	There is no data available on the product itself.
11. 2. Acute toxicity:	
11. 2. 1. Inhalation:	No data available.
11. 2. 2. Skin contact:	No data available.
11. 2. 3. Eyes contact:	No data available.
11. 2. 4. Ingestion:	No data available.

12. ECOLOGICAL INFORMATION

12. 1. Toxicity:	Ecological problems are not known or expected under normal use.
12. 2. Persistence and degradability:	No data available.
12. 3. Bioaccumulative potential:	No data available.
12. 4. Mobility in soil:	No data available.
12. 5. Results of PBT and vPvB assessment:	No data available.

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12. 6. Other adverse effects: No data available.
12. 7. General information(s): There is no data available on the product itself.

13. DISPOSAL CONSIDERATIONS

13. 1. Waste treatment methods: Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.
13. 2. Contaminated packaging: Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

14. TRANSPORT INFORMATION

14. 1. UN number: . :
ADR, IMDG et IATA
14. 5. Environmental hazards: No special environmental precautions required.
14. 6. Special precautions for user: This product contains no known hazardous substance for the health.
14. 7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No data available.

15. REGULATORY INFORMATION

15. 1. Safety, health and environmental regulations/legislation specific for the substance or mixture: Payment 1907/2006 concerning the recording, the evaluation and the authorization of chemical substances, as well as the restrictions applicable to these substances.... as modified.
15. 2. Chemical safety assessment: No data available.

16. OTHER INFORMATION

16. 1. Text of the phrases listed in section 3:
H335 May cause respiratory irritation.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
16. 2. Important remarks:
As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.
The user is always responsible for ensuring that the requirements of relevant legislation are complied with.
The information contained in this safety data sheet is based on the present state of knowledge and current national legislation it provides guidance on health safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
16. 3. Restrictions: The product should not be used for purposes other than those shown in Section 16 without first referring to the supplier and obtaining written handling instructions.
16. 4. 1. First edition date: 10/11/2010
16. 4. 2. Previous revision date: 20/02/2015
16. 4. 3. Review date: 7/06/2016
16. 4. 4. Version: 2
16. 5. Written by: SELD