

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No1907/2006

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Due Date of Revision : 03.04.2026

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

· 1.1 Product identifier

· **Trade name: D&C Green 5**

· **CAS Number:**

4403-90-1

· **EC number:**

224-546-6

· **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.

· **Application of the substance / the mixture** Used as coloring agent in drugs and cosmetics.

· 1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

Windy Point Soap Making Supplies Inc.
14, 6125-12th Street SE
Calgary, AB T2H 2K1
587-318-6678

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**

Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life.

· 2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements**

H413 May cause long lasting harmful effects to aquatic life.

· **Precautionary statements**

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** The substance is not PBT.
- **vPvB:** The substance is not vPvB

SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description**
4403-90-1 disodium 2,2'-(9,10-dioxoanthracene-1,4-diylidimino)bis(5-methylsulphonate)
- **Identification number(s)**
- **EC number:** 224-546-6
- **Additional information:**
Molecular Formula: C₂₈H₂₂N₂O₈S₂.2Na
Molecular Weight: 624.6
- **SVHC** The substance is not in the SVHC list.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.
- **After inhalation:**
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice if person feels unwell.
- **After skin contact:**
Immediately remove all contaminated clothing.
Gently wash with plenty of soap and water.
Get medical advice if skin irritation or rash occurs.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- **Information for doctor:** Treat symptomatically and supportively.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents:** *Water mist, powder, foam*
 - **For safety reasons unsuitable extinguishing agents:** *Full water jet, carbox dioxide*
- **5.2 Special hazards arising from the substance or mixture**
In combustion emits toxic fumes of carbon dioxide / carbon monoxide
- **5.3 Advice for firefighters**
 - **Protective equipment:**
When extinguishing fire, be sure to wear personal protective equipment.
 - **Additional information**
Uninvolved persons should evacuate to a safe place. Remove movable containers if safe to do so.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Eliminate all sources of ignition. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Turn leaking containers leak-side up to prevent the escape of liquid. In case of insufficient ventilation, wear suitable respiratory equipment.
- **6.2 Environmental precautions:**
Do not discharge into drains or rivers. Contain the spillage using bunding. Avoid the dusting conditions
- **6.3 Methods and material for containment and cleaning up:**
Transfer to a suitable container. Rinse the rest away with water. Incineration, disposal according to local regulations.
- **6.4 Reference to other sections**
Refer to section 8 and 13 for additional information on personal protection equipment and disposal methods.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Avoid direct contact with the substance. Do not breathe the dust
- **Information about fire - and explosion protection:**
Normal measures for preventive fire protection.

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
- Store in ambient temperature and dry Place. Keep container tightly closed in a dry place.
- **Information about storage in one common storage facility:** Avoid exposure to moisture.
- **Further information about storage conditions:**
Store in ambient temperature and dry and well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Storage life, ~2 years.
- **7.3 Specific end use(s)** Used as coloring agent in drugs and cosmetics.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

- **Personal protective equipment:**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Dust-protection mask
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Eye wash bottle with pure water

· **Body protection:** Protective clothing. Protective boots, if the situation requires.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· Form:	Solid
· Colour:	Dark green powder
· Odour:	Characteristic

· **Change in condition**

· Melting point/freezing point:	Not applicable
· Initial boiling point and boiling range:	Not applicable

· **Flash point:** Not applicable

· **Flammability (solid, gas):** Product is not flammable.

· **Explosive properties:** Product does not present an explosion hazard.

· **Vapour pressure:** vapour pressure test does not need to be conducted because the melting point is above 300°C

· **Bulk Density:** 0.4-0.6 g/cm³(After tapping)

· **Solubility in / Miscibility with water at 20 °C:** 20.0 g/l

· **Partition coefficient: n-octanol/water at 20 °C:** -1.96 log POW

· **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.

· **10.2 Chemical stability** Stable at ambient temperature and under normal conditions of use.

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions**

In the case of dusty organic products the possibility of a dust explosion should always be considered.

· **10.4 Conditions to avoid** No further relevant information available.

· **10.5 Incompatible materials:** Oxidizing agents

· **10.6 Hazardous decomposition products:**

In combustion emits toxic fumes of carbon dioxide / carbon monoxide

· **Additional information:** Stable under recommended storage conditions.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

Oral	LD 50	6700 mg/kg (mouse)
	LD50	>10000 mg/kg bw (rat)

· **Primary irritant effect:**

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** No Irritating effect

· **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

· **Additional toxicological information:**

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** Based on available data, the classification criteria are not met.

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

EC50 (48hrs)	>67 mg/L (<i>Daphnia magna</i>) (Short-term toxicity to aquatic invertebrates)
ErC 50 (7 days)	615 mg/L (<i>Lemna minor</i>) (Toxicity to aquatic plants other than algae)

· **12.2 Persistence and degradability** Not readily biodegradable.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** The substance is not PBT.
- **vPvB:** The substance is not vPvB.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Offer surplus and non-recyclable material to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
- **Uncleaned packaging:**
- **Recommendation:**
Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

SECTION 14: Transport information

- | | |
|---|--|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, ADN, IMDG · IATA | <p>Not Regulated</p> <p>Not Regulated</p> |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, IATA · ADN, IMDG | <p>Not applicable</p> <p>Not Regulated</p> |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | <p>Not Regulated</p> |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | <p>Not Regulated</p> |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: | <p>Not Regulated</p> |

- | | |
|--|------------------------|
| · 14.6 Special precautions for user | <i>Not applicable.</i> |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | <i>Not applicable.</i> |
| · UN "Model Regulation": | <i>Not Regulated</i> |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms** *Void*
- **Signal word** *Void*
- **Hazard statements**
H413 May cause long lasting harmful effects to aquatic life.
- **Precautionary statements**
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
International Inventories:
European Inventory of Existing Commercial Chemical Substances (EINECS): Listed.
EC Inventory: Listed.
United States Toxic Substances Control Act (TSCA) Inventory: Listed.
China Catalog of Hazardous chemicals 2015: Not Listed.
New Zealand Inventory of Chemicals (NZIoC) :Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed.
Vietnam National Chemical Inventory: Not Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC): Listed.
- **Substances of very high concern (SVHC) according to REACH, Article 57**
The substance is not listed as SVHC.
- **15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

· **Sources**

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No1907/2006.
- ECHA: <https://echa.europa.eu/registration-dossier/-/registered-dossier/17560/1/1>
- ChemID plus: <https://chem.nlm.nih.gov/chemidplus/rn/4403-90-1>
- Toxplanet: <https://document-cache.toxplanet.com/103/1645687182659/D--C-GREEN-5.htm>
- RTECS: <https://document-cache.toxplanet.com/2/1645687176406/Benzenesulfonic-acid-2214anthraquinonylenediiminob.htm>

· *** Data compared to the previous version altered.**

- *Section 3 – Composition /Information on ingredients*
- *Section 4 - First Aid Measures*
- *Section 5 - Fire Fighting Measures*
- *Section 6 - Accidental Release Measures*
- *Section 7 - Handling and Storage*
- *Section 8 - Exposure Controls / Personal Protection*
- *Section 9 - Physical & Chemical Properties*
- *Section 10 – Stability and reactivity*
- *Section 11 - Toxicological Information*
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- *Section 13 - Disposal Considerations*
- *Section 15 - Regulatory Information*

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