

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MEVOPUR-GREY NC7M176199-ZN

Page 1(14)

Substance key: 000000566327

Revision Date: 31.01.2021

Version : 1 - 3 / EU

Date of printing : 02.06.2021

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

1.1. Product identifier

Trade name

MEVOPUR-GREY NC7M176199-ZN

Material number: NC7M176199

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

Industry sector : Plastic processing industry.

Type of use : Additive for plastic material processing

Exposure scenarios: see section 15.2.

1.3. Details of the supplier of the safety data sheet

Identification of the company

Avient Colorants Sweden AB

Box 9053

20039 Malmö

Telephone no. : +46 40 671 72 00

Information about the substance/mixture

Product Stewardship

e-mail: SDS.MB.Europe@clariant.com

1.4. Emergency telephone number

00800-5121 5121 (24 h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2

H319: Causes serious eye irritation.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.

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Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

2.3 Other hazards

Spilled granules give rise to a slipping hazard. Clean up immediately.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Colourant preparation
Carrier: PC

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Secondary alkanesulfonate,sodium salt	97489-15-1	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	1 - 2,5

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Ensure that the First Aid Personnel are aware of the product involved, and take precautions to protect themselves (e.g. wear personal protection equipment).
Get medical advice/ attention if you feel unwell.

In case of skin contact : IF ON SKIN: Wash with plenty of soap and water.
Cool skin rapidly with cold water after contact with molten material.
Do not peel solidified product off the skin.
Get medical attention.

In case of eye contact : Obtain medical attention.
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

If swallowed : Do NOT induce vomiting.
Call in a physician immediately and show him the Safety Data Sheet.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No significant symptom known, only those caused by the physical form of the material.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray jet
Foam
Carbon dioxide (CO₂)
Dry powder

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide
Carbon dioxide (CO₂)
Sulphur oxides
Phenolic compounds
Irritant gases/vapours
Harmful vapours.
Oxides of phosphorus
Sulphur dioxide
Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Special protective equipment for firefighters : Self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : See: Exposure controls and personal protection.
Sweep up to prevent slipping hazard.

6.2 Environmental precautions

Environmental precautions : Do not allow to enter drains or waterways

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6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Clean up promptly by sweeping or vacuum.
Pick up mechanically.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Ensure good general ventilation in the workplace; local exhaust ventilation may be necessary, especially when emptying containers.

Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.

Hygiene measures : The usual Industrial Hygiene precautions must be taken during work, in particular: do not drink, eat or smoke during the handling of the product and clean hands and face during work intervals and after work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a cool, well-ventilated place. Protect from moisture. Keep away from direct sunlight.

Advice on common storage : not required

7.3 Specific end use(s)

Specific use(s) : No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Secondary alkanesulfonate,sodium salt CAS-No.: 97489-15-1	Workers	Dermal	Acute local effects	2,8 mg/cm ²
	Workers	Dermal	Long-term systemic effects	5 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	35 mg/m ³
	Workers	Dermal	Long-term local effects	2,8 mg/cm ²

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	General population	Dermal	Acute local effects	2,8 mg/cm ²
	General population	Dermal	Long-term systemic effects	3,57 mg/kg bw/day
	General population	Inhalation	Long-term systemic effects	12,4 mg/m ³
	General population	Oral	Long-term systemic effects	7,1 mg/kg bw/day
	General population	Dermal	Long-term local effects	2,8 mg/cm ²

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Secondary alkanesulfonate, sodium salt CAS-No.: 97489-15-1	Fresh water	0,04 mg/l
	salt water	0,004 mg/l
	Water (intermittent release)	0,06 mg/l
	Fresh water sediment	9,4 mg/kg dry weight (d.w.)
	Marine sediment	0,94 mg/kg dry weight (d.w.)
	Soil	9,4 mg/kg dry weight (d.w.)
	Sewage treatment plant	600 mg/l
	Oral	53,3 mg/kg food

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

Hand protection

Remarks : Chemical resistant gloves Minimum thickness (glove): valid statement not possible. Minimum breakthrough time (glove): valid statement not possible. These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

Respiratory protection : In case of insufficient exhaust ventilation or prolonged exposure use respiratory protection equipment according to Regulation (EU) 2016/425.

Protective measures : Observe precautions disposal of Regulation (EU) 2016/425 and following amendments regarding individual protection equipment for handling materials in the chemistry industry.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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Physical state	:	Granules
Colour	:	grey
Odour	:	characteristic
Odour Threshold	:	Not applicable
Melting point	:	> 230 °C
Boiling point	:	Not applicable
Upper explosion limit / upper flammability limit	:	not tested.
Lower explosion limit / Lower flammability limit	:	not tested.
Flash point	:	Not applicable
Decomposition temperature	:	
Decomposition temperature	:	To the best of our current knowledge, no thermal decomposition of the product is expected if it is processed according to good manufacturing practices. See section 10.4. "Conditions to avoid"
pH	:	substance/mixture is non-soluble (in water)
Viscosity	:	
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Solubility(ies)	:	
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	This property is not applicable for mixtures.
Vapour pressure	:	Not applicable
Relative density	:	not available
Density	:	not tested.
Relative vapour density	:	Not applicable

9.2 Other information

Explosives	:	no data available no data available
Oxidizing properties	:	not available

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Self-ignition : Not applicable

Evaporation rate : Not applicable

Surface tension : Not relevant

SECTION 10: Stability and reactivity

10.1 Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid :
Temperatures exceeding thermal stability of the masterbatch.
Electrostatic charges.
Keep away from heat and sources of ignition.
Avoid dust formation.
To avoid thermal decomposition, do not overheat.
Keep away from open flames, hot surfaces and sources of ignition.
Take precautionary measures against static discharges.
Keep away from strong bases.
Strong oxidizing agents

10.5 Incompatible materials

Materials to avoid : not known

10.6 Hazardous decomposition products

No decomposition if used as directed.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg
Remarks: The product has not been tested. The information is derived from the properties of the individual components.

Components:

Secondary alkanesulfonate, sodium salt:

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Acute oral toxicity : LD50 (Rat, male and female): 500 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Mouse, female): > 2.000 mg/kg

Skin corrosion/irritation

Product:

Result : No skin irritation

Components:

Secondary alkanesulfonate,sodium salt:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Skin irritation

Serious eye damage/eye irritation

Product:

Result : irritating

Components:

Secondary alkanesulfonate,sodium salt:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Risk of serious damage to eyes.
GLP : yes

Respiratory or skin sensitisation

Product:

Result : non-sensitizing

Components:

Secondary alkanesulfonate,sodium salt:

Test Type : Maximisation Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Not a skin sensitizer.

Germ cell mutagenicity

Components:

Secondary alkanesulfonate,sodium salt:

Genotoxicity in vitro : Test Type: In vitro gene mutation study in bacteria
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471

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Result: negative

Test Type: In vitro gene mutation study in mammalian cells
Test system: Chinese hamster fibroblasts
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Species: Mouse (male and female)
Strain: NMRI
Application Route: oral (gavage)
Method: OECD Test Guideline 474
Result: negative

Carcinogenicity

Components:

Secondary alkanesulfonate,sodium salt:

Species : Rat, male and female
Application Route : oral (feed)
Exposure time : 2 y
Dose : 0, 0,08, 0,4 ,2
: 1.000 mg/kg body weight

Reproductive toxicity

Components:

Secondary alkanesulfonate,sodium salt:

Effects on foetal development : Test Type: Two-generation study
Species: Rat, male and female
Application Route: oral (feed)
Dose: 1000, 3000, 10000 parts per million
Teratogenicity: NOEL: >= 10.000
Embryo-foetal toxicity: NOEL: >= 10.000

Repeated dose toxicity

Components:

Secondary alkanesulfonate,sodium salt:

Species : Rat, male and female
NOAEL : 200 mg/kg
Application Route : oral (feed)
Exposure time : 52 w
Dose : 0, 0,08, 0,4, 2%
Method : Chronic oral toxicity

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11.2 Information on other hazards

Further information

Product:

Remarks : Determined on raw material components in accordance with Regulation (EC) No 1272/2008.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: no data available

Components:

Secondary alkanesulfonate,sodium salt:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 8,4 mg/l
Exposure time: 96 h
Test Type: flow-through test
Method: Regulation (EC) No. 440/2008, Annex, C.1
GLP: yes

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 9,8 mg/l
aquatic invertebrates
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
plants
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes

Toxicity to microorganisms : NOEC (Pseudomonas putida): 1.000 mg/l
Exposure time: 16 h
Test Type: static test
Method: DIN 38 412 Part 8

Toxicity to fish (Chronic : NOEC: 2 mg/l
toxicity)
Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)
Test Type: flow-through test
Method: OECD Test Guideline 204
GLP: yes

Toxicity to daphnia and other : NOEC: 1 mg/l
aquatic invertebrates
(Chronic toxicity)
Exposure time: 22 d
Species: Daphnia magna (Water flea)
Test Type: semi-static test
GLP: yes

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Sediment toxicity : NOEC: 1000 mg/kg dry weight (d.w.)
Duration: 96 h
Species: Nematode Caenorhabditis elegans
GLP: yes

12.2 Persistence and degradability

Product:

Physico-chemical : Remarks: The product can be separated out mechanically.
removability

Components:

Secondary alkanesulfonate,sodium salt:

Biodegradability : Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: 78 %
Related to: Carbon dioxide (CO₂)
Exposure time: 28 d
Method: OECD Test Guideline 301B

Chemical Oxygen Demand : 2.065 mg/g
(COD)

Dissolved organic carbon : 400 mg/g
(DOC)

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: not tested.

Components:

Secondary alkanesulfonate,sodium salt:

Partition coefficient: n- : log Pow: 0,2
octanol/water

12.4 Mobility in soil

Product:

Distribution among : Remarks: not tested.
environmental compartments

12.5 Results of PBT and vPvB assessment

Product:

Assessment : Remarks: No information is available as no chemical safety
report (CSR) is required.

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12.6 Endocrine disrupting properties

no data available

12.7 Other adverse effects

Product:

Additional ecological information : Do not allow to enter ground water, waterways or waste water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product : Must be taken to special waste disposal site in accordance to EC regulations (91/156/EEC; 91/689/EEC; 94/62/EC) and following amendments considering the possible dangerous ingredients listed in chapter "Composition/information on ingredients", "Stability and reactivity" or "Other information".
- Contaminated packaging : Contaminated packaging material should be treated equivalent to residual chemicals. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Other regulations:

All the ingredients of the preparation comply with the applicable requirements of the current

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REACH Regulation.

15.2 Chemical safety assessment

Exposure scenarios - links

Please select the specified addresses from the internet in order to see the exposure scenarios.

URL	Short title
https://reachdialogsystem.clariant.com/Masterbatch/EXS000147.pdf	Sulfonic acids, C14-17-sec-alkane, sodium salts (Exposure scenarios - English)

SECTION 16: Other information

Full text of H-Statements

H302	: Harmful if swallowed.
H315	: Causes skin irritation.
H318	: Causes serious eye damage.
H412	: Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage
Skin Irrit.	: Skin irritation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID -

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Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

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