according to Regulation (EC) No. 1907/2006



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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.

according to Regulation (EC) No. 1907/2006



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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

: Colourant preparation Chemical nature

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.

according to Regulation (EC) No. 1907/2006



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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 (NOx)

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

according to Regulation (EC) No. 1907/2006



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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)

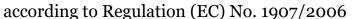
Specific use(s) : No further recommendations.

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,sodiu m salt CAS-No.: 97489-15-1	Workers	Dermal	Acute local effects	2,8 mg/cm2
	Workers	Dermal	Long-term systemic effects	5 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	35 mg/m3
	Workers	Dermal	Long-term local effects	2,8 mg/cm2





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General population	Dermal on	Acute local effects	2,8 mg/cm2
General population	Dermal on	Long-term systemic effects	3,57 mg/kg bw/day
General population	Inhalation on	Long-term systemic effects	12,4 mg/m3
General population	Oral	Long-term systemic effects	7,1 mg/kg bw/day
General population	Dermal on	Long-term local effects	2,8 mg/cm2

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

Substance name	Environmental Compartment	Value
Secondary	Fresh water	0,04 mg/l
alkanesulfonate,sodium salt		
CAS-No.: 97489-15-1		
	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

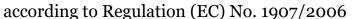
Regulation (EU) 2016/425.

Observe precautions disposal of Regulation (EU) 2016/425 Protective measures

> 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

> 230 °C Melting point

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

To the best of our current knowledge, no thermal temperature

decomposition of the product is expected if it is processed

according to good manufacturing practices. See section 10.4. "Conditions to avoid"

pΗ 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

not tested. Density

Relative vapour density Not applicable

9.2 Other information

no data available **Explosives**

no data available

not available Oxidizing properties

according to Regulation (EC) No. 1907/2006



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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

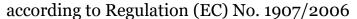
Product:

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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LD50 (Rat, male and female): 500 mg/kg Acute oral toxicity

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

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** Not a skin sensitizer. Result

Germ cell mutagenicity

Components:

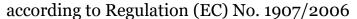
Secondary alkanesulfonate, sodium salt:

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

0, 0,08, 0,4 .2 Dose

1.000 mg/kg body weight

Reproductive toxicity

Components:

Secondary alkanesulfonate, sodium salt:

Effects on foetal Test Type: Two-generation study Species: Rat, male and female development

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 : oral (feed) Application Route Exposure time : 52 w

: 0, 0,08, 0,4, 2% Dose Method : Chronic oral toxicty

according to Regulation (EC) No. 1907/2006



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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 :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 9,8 mg/l

Exposure time: 48 h Test Type: static test

Method: OECD Test Guideline 202

GLP: yes

Toxicity to algae/aquatic

plants

EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l

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

toxicity)

NOEC: 2 mg/l

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 :

aquatic invertebrates (Chronic toxicity)

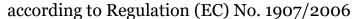
NOEC: 1 mg/l

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

removability

Remarks: The product can be separated out mechanically.

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

(COD)

2.065 mg/g

Dissolved organic carbon

(DOC)

400 mg/g

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.

according to Regulation (EC) No. 1907/2006



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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 : Not applicable

Concern for Authorisation (Article 59).

Other regulations:

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

according to Regulation (EC) No. 1907/2006



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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/EXS00014 7.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

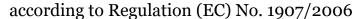
Eye Dam. : Serious eye damage

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; AIIC - 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

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