

Safety data sheet

ACT CleanCoat®

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

1.1. Product identifier

Trade name

ACT CleanCoat®

Product no.

-

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Disinfection agent (PT2 and PT4)

Active substance: free radicals generated in situ. Use biocides safely. Always read the label and product information before use. This safety data sheet contains general information concerning the chemical, but specific instructions and guidelines are indicated on the product label and in the instructions for use.

For professional use only.

Uses advised against

-

The full text of any mentioned and identified use categories are given in Section 16

1.3. Details of the supplier of the safety data sheet

Company and address

ACT.Global

Kajakvej 2

DK-2770 Kastrup

Denmark

Phone: + 45 7199 7576

Contact person

-

E-mail

info@act.global

SDS date

25.05.2018

SDS Version

1.2

1.4. Emergency telephone number

Contact the National Poisons Information Service (dial 111, 24 h service).

See Section 4 "First aid measures".



Section 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

2.2. Label elements

Hazard pictogram(s)

Not applicable

Signal word

-

Hazard statement(s)

Not applicable

Safety statement(s)

General -

Prevention -

Response -

Storage -

Disposal -

Identity of the substances primarily responsible for the major health hazards

Not applicable

2.3. Other hazards

Not applicable

Additional labelling

Safety data sheet available on request. (EUH210)

Additional warnings

Not applicable

VOC

Not applicable

Section 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME: Titanium dioxide
IDENTIFICATION NOS.: CAS-no: 13463-67-7 EC-no: 236-675-5
CONTENT: 2 - <3%
CLP CLASSIFICATION: NA

NAME: Nitric acid
IDENTIFICATION NOS.: CAS-no: 7697-37-2 EC-no: 231-714-2 Index-no: 007-004-00-1
CONTENT: <1.5%
CLP CLASSIFICATION: Met. Corr. 1, Ox. Liq. 2, Acute Tox. 3, Skin Corr. 1A
H272, H290, H314, H331, EUH071

NOTE: L

See full text of H-phrases in Section 16. Occupational exposure limits are listed in Section 8, if these are available.

L = European occupational exposure limit.

Other information

ATEmix (inhale, vapour) > 20 mg/l



Section 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service (dial 111, 24 h service).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist.

Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her. Get medical advice/attention if concerned.

Skin contact

Rinse/wash with lukewarm, gently flowing water (and mild soap) for 5 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.

Eye contact

If irritation occurs, remove contact lenses and cautiously rinse eyes with lukewarm, gently flowing water or saline water(20-30°C) for 5 minutes, while holding the eyelids open. If eye irritation persists: Get medical advice/attention.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not relevant.

4.2. Most important symptoms and effects, both acute and delayed

Nothing special

4.3. Indication of any immediate medical attention and special treatment needed

Nothing special

Information to medic

Bring this safety data sheet.

Section 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Nitrogen oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health.

5.3. Advice for firefighters

Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See Section 8 on 'Exposure controls/personal protection' for information on personal protection.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.



6.4. Reference to other Sections

See Section on "Disposal considerations" in regard of handling of waste. See Section on 'Exposure controls/personal protection' for protective measures.

Section 7: Handling and storage

7.1. Precautions for safe handling

See Section 8 on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container.

Storage temperature

Dry, cool and well ventilated. Store frost-free.

7.3. Specific end use(s)

This product should only be used for applications quoted in Section 1.2.

Section 8: Exposure controls/personal protection

8.1. Control parameters

OEL

Nitric acid

Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m³

Short-term exposure limit (15-minute reference period): 1 ppm | 2.6 mg/m³

Titanium dioxide

Long-term exposure limit (8-hour TWA reference period): - ppm | 10 (inh)/4(resp) mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

DNEL / PNEC

No data available

8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, eating and drinking are not allowed in the work premises

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Airborne concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

Recommended: Combination filter A2P3. Class 2/3. Brown/White

Skin protection

No specific requirements.

Hand protection

Recommended: Nitrile rubber. Breakthrough time: > 480 minutes (Class 6)

Material thickness: 0,11 mm.

Eye protection

Wear safety glasses with side shields. EN 166.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Transparent
Odour	No data available.
Odour threshold (ppm)	No data available.
pH	<2*
Viscosity (40°C)	No data available.
Density (g/cm ³)	No data available.

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	100
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

Data on fire and explosion hazards

Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.

Solubility

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.
*Product are tested not-corrosive and non-irritant, regarding low pH value.	

Section 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the Section "Handling and storage".

10.3. Possibility of hazardous reactions



Nothing special

10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in Section 1.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Not classified.

Skin corrosion/irritation

Data on substance: ACT.CleanCoat®

Test: OECD Guideline no. 431

Organism: Human skin

Duration of Exposure: 4 hours

Observation Period: 3 hours

Reversability: reversible

Result: Non corrosive to the skin

Data on substance: ACT.CleanCoat®

Test: OECD Guideline no. 439

Organism: Human skin

Duration of Exposure: 15 min

Observation Period: 42 hours

Result: Non-irritant to the skin

Serious eye damage/irritation

Data on substance: ACT.CleanCoat®

Test: OECD Guideline no. 438

Organism: Isolated Chicken Eyes

Duration of Exposure: 10 seconds from end of application

Observation Period: 4 hours

Result: Non-irritant to eyes

Respiratory or skin sensitisation

Not classified.

Germ cell mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive toxicity

Not classified.

STOT-single exposure

Not classified.

STOT-repeated exposure

Not classified.

Aspiration hazard

Not classified.

Long term effects

Nothing special



Section 12: Ecological information

12.1. Toxicity

Not classified.

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data available.			

12.3. Bio accumulative potential

Substance	Potential bioaccumulation	Log Pow	BCF
No data available.			

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment.

Section 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

Waste

EWC code	
06 13 01*	Inorganic plant protection products, wood-preserving agents and other biocides.

Specific labelling

-

Contaminated packing

No specific requirements.

Section 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-
EmS	-
MP**	-
Hazardous constituent	-



IATA/ICAO	
UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

EC regulation 1907/2006 (REACH).

Section 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Demands for specific education

The user must be trained by ACT.Global in the use of the Electrostatic Spray Gun and ACT CleanCoat® and comply with the instruction manual. The user must abide by the local Health and Safety regulations.

Additional information

Food contact surfaces do not need to be rinsed after the application of ACT CleanCoat®. Source: Danish Food Authorities, J.nr. 2016-29-7105-00219

Seveso

Not applicable

15.2. Chemical safety assessment

No

Section 16: Other information

Full text of H-phrases as mentioned in Section 3

H272 - May intensify fire; oxidiser.

H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

H331 - Toxic if inhaled.

H336 - May cause drowsiness or dizziness.

EUH071 - Corrosive to the respiratory tract.

The full text of identified uses as mentioned in Section 1

No data available



Additional label elements

Not applicable

Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in Section 1) and is not necessarily correct for use with other chemicals/products.

The safety data sheet is validated by

SRS – www.sds-sikkerhedsdatablade.dk

Date of last essential change

22.12.2018

Date of last minor change

-

