

DUTHOO Activator for Aqua Wood Clearcoat

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

1.1 - Product identifier

Trade name/designation DUTHOO Activator for Aqua Wood Clearcoat
Chemical name Hexane, 1,6-diisocyanato-, homopolymer, polyethylene glycol mono-Me ether-blocked
Product-type Mixture
Product code 904VEH3DCCACTIVATOR
UFI: T690-90DJ-X00W-M7PP

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

Relevant identified uses - Paints/coatings – Protective and functional

1.3 - Details of the supplier of the safety data sheet

-Duthoo Coating Concepts
Pluim 1
8550 Zwevegem Belgium
Telephone : 0032 56 360774 Fax 0032 56 694760
Website www.duthoo.eu
Eddy Crepeele: 0032 56 360774/0032 471 410802 eddy@duthoo.eu

1.4 - Emergency telephone number

- Poison Centre. Tel: (+32) 070 245 245 or (+32) 02 264 96 30 Belgium

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Sens. 1	Skin sensitization - Category 1
Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
STOT SE 3 (H335)	STOT-single exposure - Category 3 (H335)
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: Hexane, 1,6-diisocyanato-, homopolymer, polyethylene glycol mono-Me ether-blocked (CAS No.: 160994-68-3)

Signal word : Warning

Hazard pictograms



Hazard statements

H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects

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Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P405	Store locked up.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with national regulation.

EUH-phrases

EUH204	Contains isocyanates. May produce an allergic reaction
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2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
Hexane, 1,6-diisocyanato-, homopolymer, polyethylene glycol mono-Me ether-blocked	CAS No. : 160994-68-3 Index No. : EC No. : 679-501-7	> 50 - < 100	Acute Tox. 4 Inhalation - H332 Aquatic Chronic 3 - H412 Skin Sens. 1 - H317 STOT SE 3 (H335) - H335	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- When in doubt or if symptoms are observed, get medical advice.
- Provide fresh air.
- After inhaling vapours, first symptoms of poisoning may develop hours later, so always consult a doctor.
- In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

Following skin contact

- After contact with skin, wash immediately with plenty of water and soap.
- In case of skin reactions, consult a physician.
- Remove contaminated, saturated clothing immediately.

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.
- Seek medical advice immediately.

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

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Symptoms and effects - Following inhalation - Symptoms can occur only after several hours.

- Effects Allergic reactions

Symptoms and effects - Following skin contact - Causes skin irritation.

Symptoms and effects - After eye contact - Causes eye irritation.

Symptoms and effects - After ingestion - Irritation to respiratory tract

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

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media - ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - Hazardous combustion products

Hazardous decomposition products - Carbon dioxide (CO₂)
- Carbon monoxide
- Nitrogen oxides (NO_x)

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Remove product from area of fire.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Remove persons to safety.
- Use personal protection equipment.
- Do not breathe gas/fumes/vapour/spray.
- Remove all sources of ignition.

For emergency responders - Wear breathing apparatus if exposed to vapours/dusts/aerosols.

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6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - Soak up inert absorbent and dispose as waste requiring special attention.

Methods and material for cleaning up

- Ventilate affected area.
- Clear contaminated areas thoroughly.
- Take up mechanically, placing in appropriate containers for disposal.
- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- See section 8.
- All work processes must always be designed so that the following is excluded:
Inhalation
- Vapours/aerosols must be exhausted directly at the point of origin.
- After use replace the closing cap immediately.
- Avoid: Skin contact
- After use replace the closing cap immediately.
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Advices on general occupational hygiene - Work in well-ventilated zones or use proper respiratory protection.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a cool, well-ventilated place.
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Keep away from: Food and feedingstuffs
- Protect against: Cold
- Protect against: Heat

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls - If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

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Individual protection measures, such as personal protective equipment

- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Barrier creams are not substitutes for body protection.
- Tested protective gloves must be worn



- Suitable eye protection: Eye glasses with side protection



- Suitable protective clothing: Full protection suit



- Suitable respiratory protection apparatus: Respiratory protection helmet/hood



SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	<u>Liquid</u>	<u>Appearance</u>	<u>Liquid</u>
<u>Colour</u>	colourless	<u>Odour</u>	characteristic
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		> 60 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		1,07 g/cm ³	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	

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Decomposition temperature	No data available
Kinematic viscosity	< 80 mm ² /s
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	37,5 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- reaction with water produces CO₂, containers under pressure

10.4 - Conditions to avoid

- Hazardous decomposition products
- In case of warming: Danger of bursting container.

10.5 - Incompatible materials

- avoid contact with other chemicals

10.6 - Hazardous decomposition products

- Thermal decomposition can lead to the escape of irritating gases and vapours.
- Carbon dioxide
- Carbon monoxide
- Nitrogen oxides (NO_x)

SECTION 11: Toxicological information

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

Acute toxicity - Acute toxicity (inhalative) - Category 4 - Harmful if inhaled

Toxicity : Mixture

LD50 oral (rat)	> 2000 mg/kg
LD50 dermal (rat)	> 2000 mg/kg
LD50 dermal (rabbit)	No data available

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	LC50 inhalation (rat)	No data available
	LC50 inhalation dusts and mists (rat)	No data available
	LC50 inhalation vapours (rat)	No data available

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

Skin corrosion/irritation

- Not classified

- Irritating to skin.

Serious eye damage/eye irritation

- Not classified

Respiratory or skin sensitisation

- Skin sensitization - Category 1 - May cause an allergic skin reaction

- May cause sensitization by inhalation.

- May cause sensitization by skin contact.

- May cause an allergic skin reaction.

Germ cell mutagenicity

- Not classified

Carcinogenicity

- Not classified

Reproductive toxicity

- Not classified

STOT-single exposure

- STOT-single exposure - Category 3 (H335) - May cause respiratory irritation

STOT-repeated exposure

- Not classified

Aspiration hazard

- Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	28,3 mg/l
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	2 %

- No information available.

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12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - Handle contaminated packages in the same way as the substance itself.
- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Sewage disposal - Do not allow to enter into surface water or drains.

Special precautions for waste treatment - Waste requires monitoring.
- The waste is to be kept separate from other types of waste until its disposal.
- Send to a hazardous waste incinerator facility under observation of official regulations.
- Collect the waste separately.
- Waste requires special monitoring.

Community or national or regional provisions - No information available.

Waste codes / waste designations according to Regulation 2014/955/UE 08 01 11* - waste paint and varnish containing organic solvents or other hazardous substances

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

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14.5 - Environmental hazards

Not applicable

14.6 - Special precautions for user

Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 37,5 %

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	17/01/2024		

Texts of the regulatory sentences

Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
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