

5310W Activator

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 12/16/2015

Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name. : 5310W Activator
Product code : 5310W Activator
Formula : 70033A

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

Use of the substance/mixture : Adhesive: component

1.3. Details of the supplier of the safety data sheet

Advanced Adhesive Systems, Inc.
681 North Mountain Road
Newington CT 06111

860-953-4100

1.4. Emergency telephone number

Emergency number : 1-800-255-3924 INTERNATIONAL: 001-813-248-0585
Chem-Tel (available 24 hours/day)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 2 H225
Carc. 2 H351
Aquatic Acute 3 H402

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS02

GHS08

Signal word (GHS-US) :

Danger.

Hazard statements (GHS-US) :

H225 - Highly flammable liquid and vapour
H351 - Suspected of causing cancer
H402 - Harmful to aquatic life

Precautionary statements (GHS-US) :

P262 - Do not get in eyes, on skin, or on clothing
P261 - Avoid breathing vapours
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P273 - Avoid release to the environment
P280 - Wear eye protection, protective clothing, protective gloves
P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P314 - Get medical advice/attention if you feel unwell
P370+P378 - In case of fire: Use Use dry chemical, CO2, or Foam to extinguish
P403+P235 - Store in a cool and well-ventilated place
P501 - Dispose of contents/container to an approved waste disposal plant, in accordance with applicable local, state, national laws
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P301 + P330 + P331 - If swallowed: rinse mouth. Do NOT induce vomiting

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P302 - IF ON SKIN: Wash skin with mild soap and water.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P363 - Wash contaminated clothing before reuse

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
methylmethacrylate, monomer, inhibited SS - 40	(CAS No) 80-62-6	60 - 85 25 - 60	Flam. Liq. 2, H225 Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 3, H402
titanium(IV) oxide	(CAS No) 13463-67-7	5 - 10	Carc. 2, H351
solvent naphtha(petroleum), medium aliph.	(CAS No) 64742-88-7	< 5	Asp. Tox. 1, H304
solvent naphtha (petroleum), light aromatic	(CAS No) 64742-95-6	0.0002 - 0.0005	Flam. Liq. 2, H225 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
- First-aid measures after skin contact : Wash with plenty of soap and water. If skin irritation or rash occurs: Consult a doctor/medical service.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. If eye irritation persists: Consult a doctor/medical service.
- First-aid measures after ingestion : Immediately after ingestion: give lots of water to drink. Get immediate medical attention.

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

- Symptoms/injuries after inhalation : Moderate irritation to respiratory tract. Coughing. Shortness of breath.
- Symptoms/injuries after skin contact : Causes skin irritation. Red skin. Itching. May cause an allergic skin reaction.
- Symptoms/injuries after eye contact : Causes eye irritation. Lacrimation. Redness of the eye tissue.
- Symptoms/injuries after ingestion : Toxicity by ingestion is not likely to occur.
- Chronic symptoms : Central Nervous System, Kidney, Liver, Respiratory System.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : carbon dioxide (CO₂), dry chemical powder, foam.
- Unsuitable extinguishing media : Solid water jet ineffective as extinguishing medium.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Heat destroys stabilizer against polymerization. Heating may cause a fire or explosion. Insoluble in water. This product is flammable.
- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May build up electrostatic charges: risk of ignition hazard.

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Reactivity : Amines. Alkalis. Moisture. Oxidizers. Reducing agents. Strong acids, bases. Ultraviolet radiation.

5.3. Advice for firefighters

Precautionary measures fire : Exposure to fire/heat: keep upwind.
Firefighting instructions : Exercise caution when fighting any chemical fire. If exposed to fire cool the closed containers by spraying with water.
Protection during firefighting : Firefighters should wear positive pressure self contained breathing apparatus (SCBA) and full turnout gear. Do not enter fire area without proper protective equipment, including respiratory protection.
Other information : Hazardous combustion products: . carbon oxides (CO and CO2). Nitrogen oxides.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate ignition sources. Ensure adequate air ventilation. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Use protective clothing.

6.1.1. For non-emergency personnel

Protective equipment : Gloves. Protective clothing. Safety glasses.
Emergency procedures : Ensure adequate ventilation, especially in confined areas. Evacuate unnecessary personnel. Remove all sources of ignition. Use personal protective equipment as required.

6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Try to stop release.

6.3. Methods and material for containment and cleaning up

For containment : Dam up the liquid spill. Contain leaking substance.
Methods for cleaning up : Take up liquid spill into a non combustible material e.g.: sand, earth, vermiculite. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.
Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight., Heat sources.
Incompatible products : amines. Oxidizing agent. Reducing agents. strong acids. Strong bases.
Incompatible materials : Direct sunlight. Heat sources. Sources of ignition.
Maximum storage period : 6 months in original SEALED container @ 23C max temperature.
Storage temperature : ≤ 37.7 °C
Heat-ignition : KEEP SUBSTANCE AWAY FROM: ignition sources. heat sources.
Prohibitions on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents. reducing agents. moisture. (strong) acids. (strong) bases. amines.
Storage area : Store in a well-ventilated place. Store in a dry area. Store in a cool area. Store away from heat. Keep out of direct sunlight.
Special rules on packaging : Keep only in original container.

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7.3. Specific end use(s)

Adhesive: component.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

5310W Activator		
ACGIH	Not applicable	
OSHA	Not applicable	
methylmethacrylate, monomer, inhibited (80-62-6)		
ACGIH	ACGIH TWA (ppm)	50 ppm
ACGIH	ACGIH STEL (ppm)	50 ppm
OSHA	Not applicable	
solvent naphtha(petroleum), medium aliph. (64742-88-7)		
ACGIH	Not applicable	
OSHA	Not applicable	
SS - 40		
ACGIH	Not applicable	
OSHA	Not applicable	
titanium(IV) oxide (13463-67-7)		
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
OSHA	Not applicable	
solvent naphtha (petroleum), light aromatic (64742-95-6)		
ACGIH	Not applicable	
OSHA	Not applicable	

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.
Personal protective equipment : Gloves. Protective clothing. Safety glasses.



Materials for protective clothing : GIVE GOOD RESISTANCE:
Hand protection : Wear chemically resistant protective gloves.
Eye protection : Wear safety glasses with side shields.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : None necessary.
Thermal hazard protection : None necessary.
Environmental exposure controls : Specific risk management measures are not required beyond good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Paste.
Colour : white
Odour : Acrylic
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available

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Boiling point	: 101 °C
Flash point	: 10.5 °C
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 29 mm Hg @20C
Relative vapour density at 20 °C	: > 1
Relative density	: 0.97
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 2.1 - 12.5 vol % MMA

9.2. Other information

VOC content : < 50 g/l Activator and Adhesive mixed

SECTION 10: Stability and reactivity

10.1. Reactivity

Amines. Alkalis. Moisture. Oxidizers. Reducing agents. Strong acids, bases. Ultraviolet radiation.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Direct sunlight. Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

10.5. Incompatible materials

Refer to Section 10.1.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Oxides of Nitrogen. hydrocarbons. Hydrogen Fluoride. Isocyanate containing vapors. Hydrogen Cyanide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

methymethacrylate, monomer, inhibited (80-62-6)

LD50 oral rat	> 6000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 7900 mg/kg bodyweight; Rat; Equivalent or similar to OECD 401; Weight of evidence; 8400 mg/kg bodyweight; Rat; Weight of evidence)
LD50 dermal rabbit	> 7550 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	27.5 mg/l/4h (Rat; Literature study)
ATE US (vapours)	27.500 mg/l/4h
ATE US (dust,mist)	27.500 mg/l/4h

solvent naphtha(petroleum), medium aliph. (64742-88-7)

LD50 oral rat	> 5000 mg/kg bodyweight (Rat; Equivalent or similar to OECD 420; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Rabbit; Experimental value; Equivalent or similar to OECD 402)

titanium(IV) oxide (13463-67-7)

LD50 oral rat	> 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	> 6.8 mg/l/4h (Rat; Experimental value)

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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

methylmethacrylate, monomer, inhibited (80-62-6)

IARC group	3 - Not Classifiable
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titanium(IV) oxide (13463-67-7)

Additional information	Inhalation of powdered form
IARC group	2B - Possibly Carcinogenic to Humans

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified

Specific target organ toxicity (repeated exposure)	: Not classified
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Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Moderate irritation to respiratory tract. Coughing. Shortness of breath.
Symptoms/injuries after skin contact	: Causes skin irritation. Red skin. Itching. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes eye irritation. Lacrimation. Redness of the eye tissue.
Symptoms/injuries after ingestion	: Toxicity by ingestion is not likely to occur.
Chronic symptoms	: Central Nervous System, Kidney, Liver, Respiratory System.

SECTION 12: Ecological information

12.1. Toxicity

methylmethacrylate, monomer, inhibited (80-62-6)

LC50 fishes 1	125.5 - 275 mg/l
EC50 Daphnia 1	720 mg/l (48 h; Daphnia magna; GLP)
ErC50 (algae)	170 mg/l
TLM fish 1	159 mg/l (96 h; Pimephales promelas)
Threshold limit other aquatic organisms 1	100 mg/l (16 h; Pseudomonas putida)
Threshold limit algae 1	37 mg/l (168 h; Scenedesmus quadricauda; Toxicity test)
Threshold limit algae 2	120 mg/l (192 h; Microcystis aeruginosa)

solvent naphtha(petroleum), medium aliph. (64742-88-7)

Threshold limit algae 1	1 - 3,72 h; Pseudokirchneriella subcapitata; Cell numbers
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titanium(IV) oxide (13463-67-7)

LC50 fishes 1	> 1000 mg/l (96 h; Pimephales promelas)
EC50 Daphnia 1	< 1000 mg/l (432 h; Daphnia magna; Static system)
LC50 fish 2	> 1 g/l (96 h; Leuciscus idus)
EC50 Daphnia 2	< 500 mg/l (720 h; Daphnia magna; Static system)
Threshold limit algae 1	61 mg/l (72 h; Pseudokirchneriella subcapitata)

12.2. Persistence and degradability

methylmethacrylate, monomer, inhibited (80-62-6)

Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available. Photolysis in the air.
Biochemical oxygen demand (BOD)	0.14 g O ₂ /g substance
ThOD	1.9 g O ₂ /g substance
BOD (% of ThOD)	0.073 % ThOD

solvent naphtha(petroleum), medium aliph. (64742-88-7)

Persistence and degradability	Readily biodegradable in water. Adsorbs into the soil.
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titanium(IV) oxide (13463-67-7)

Persistence and degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

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titanium(IV) oxide (13463-67-7)	
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

methylmethacrylate, monomer, inhibited (80-62-6)	
BCF fish 1	2.97 - 3.5 (Pisces)
Log Pow	1.32 - 1.38 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

solvent naphtha(petroleum), medium aliph. (64742-88-7)	
Bioaccumulative potential	No bioaccumulation data available.

titanium(IV) oxide (13463-67-7)	
Bioaccumulative potential	Not bioaccumulative.

solvent naphtha (petroleum), light aromatic (64742-95-6)	
Log Pow	2.1 - 6

12.4. Mobility in soil

methylmethacrylate, monomer, inhibited (80-62-6)	
Surface tension	0.028 N/m (20 °C)

12.5. Other adverse effects

- Effect on ozone layer :
Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Regional legislation (waste) : Disposal must be done according to official regulations.
Waste disposal recommendations : Do not discharge into drains or the environment. Do not landfill. Dispose in a safe manner in accordance with local/national regulations.
Additional information : Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

- In accordance with DOT
DOT Proper Shipping Name : Adhesives
Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT) : 3 - Flammable liquid



- Packing group (DOT) : II - Medium Danger
DOT Special Provisions (49 CFR 172.102) : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packagings may be increased to 5 L (1.3 gallons).
B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).
DOT Packaging Exceptions (49 CFR 173.xxx) : 150

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DOT Packaging Non Bulk (49 CFR 173.xxx)	: 173
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Additional information

Emergency Response Guide (ERG) Number	: 128
Other information	: No supplementary information available.
Special transport precautions	: Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.
State during transport (ADR-RID)	: as liquid.

ADR

Transport document description	: UN 1133 ADHESIVES, 3, II, (D/E)
Packing group (ADR)	: II
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 33
Classification code (ADR)	: F1
Danger labels (ADR)	: 3 - Flammable liquids



Orange plates	: An orange rectangular label with a black border. It is divided into two horizontal sections. The top section contains the number '33' and the bottom section contains the number '1133'.
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Tunnel restriction code (ADR)	: D/E
LQ	: 5L
Excepted quantities (ADR)	: E2

Transport by sea

UN-No. (IMDG)	: 1133
Proper Shipping Name (IMDG)	: Adhesives
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: II - substances presenting medium danger
Limited quantities (IMDG)	: 5L
EmS-No. (1)	: F-E
EmS-No. (2)	: S-D

Air transport

UN-No.(IATA)	: 1133
Proper Shipping Name (IATA)	: Adhesives
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: II - Medium Danger
Instruction "cargo" (ICAO)	: 364
Instruction "passenger" (ICAO)	: 353
Instruction "passenger" - Limited quantities (ICAO)	: Y341

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SECTION 15: Regulatory information

15.1. US Federal regulations

5310W Activator	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Fire hazard Immediate (acute) health hazard Reactive hazard
methylmethacrylate, monomer, inhibited (80-62-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	None
SARA Section 302 Threshold Planning Quantity (TPQ)	None
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Reactive hazard
SARA Section 313 - Emission Reporting	100 %

15.2. International regulations

CANADA

5310W Activator	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
methylmethacrylate, monomer, inhibited (80-62-6)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU-Regulations

No additional information available

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

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Skin Sens. 1	H317
Muta. 1B	H340
Carc. 1B	H350
STOT SE 3	H335
Aquatic Chronic 3	H412

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

15.2.2. National regulations

5310W Activator
Components of this product are listed or exempt from listing on the Canadian Domestic Substance List.

15.3. US State regulations

5310W Activator()	
State or local regulations	This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

titanium(IV) oxide (13463-67-7)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

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titanium(IV) oxide (13463-67-7)

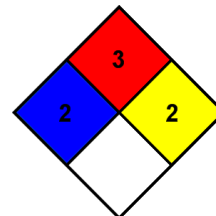
This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION 16: Other information

Full text of H-phrases::

Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Flam. Liq. 2	Flammable liquids Category 2
Muta. 1B	Germ cell mutagenicity Category 1B
H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H402	Harmful to aquatic life

- NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
- NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.
- NFPA reactivity : 2 - Normally unstable and readily undergo violent decomposition but do not detonate. Also: may react violently with water or may form potentially explosive mixtures with water.



HMIS III Rating

- Health : 2 Moderate Hazard - Temporary or minor injury may occur
- Flammability : 3 Serious Hazard
- Physical : 2 Moderate Hazard
- Personal Protection : X

SDS US (GHS HazCom 2012)

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