

YVA328_E2

Safety Data Sheet CLEAR WOOD SEALER



Bulk Sales Reference No.:
SDS Revision Date:
SDS Revision Number:

YVA328
09/28/2020
E2-5

1. Identification of the preparation and company

1.1. Product identifier

Product Identity CLEAR WOOD SEALER
Bulk Sales Reference No. YVA328

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

Intended Use See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Akzo Nobel Coatings
Manufacturer:
Akzo Nobel Coatings
International Paint
6001 Antoine Drive
Houston, Texas 77091

Emergency

CHEMTREC (800) 424-9300
International Paint (713) 527-3887
Poison Control Center (800) 854-6813
Customer Service
International Paint (800) 589-1267
Fax No. (800) 631-7481

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Flam. Liq. 3;H226	Flammable liquid and vapor.
Eye Irrit. 2;H319	Causes serious eye irritation.
Skin Sens. 1;H317	May cause an allergic skin reaction.
Resp. Sens. 1;H334	May cause allergy or asthma symptoms of breathing difficulties if inhaled.
Carc. 2;H351	Suspected of causing cancer.
Repr. 1B;H360D	May damage the unborn child.
STOT SE 3;H336	May cause drowsiness or dizziness.

2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.



Danger.

H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms of breathing difficulties if inhaled.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.

P235 Keep cool.

P240 Ground / bond container and receiving equipment.

P241 Use explosion-proof electrical / ventilating / light / equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash area of contact thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves / eye protection / face protection.

P302+352 IF ON SKIN: Wash with soap and water.

P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P308+313 IF exposed or concerned: Get medical advice/attention.

P333 If skin irritation or a rash occurs:.

P337+313 If eye irritation persists: Get medical advice / attention.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P341 If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.

P363 Wash contaminated clothing before reuse.

P370 In case of fire: Use water spray, fog, or regular foam..

P403+233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating

Health: 2

Flammability: 3

Reactivity: 0

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
2-Methoxy-1-Methylethyl Acetate CAS Number: 0000108-65-6	25 - 50	Flam. Liq. 3;H226	[1]
Aromatic polyisocyanate CAS Number: 0026006-20-2	25 - 50	Eye Irrit. 2;H319 Skin Sens. 1;H317	[1]
N-Butyl Acetate CAS Number: 0000123-86-4	10 - 25	Flam. Liq. 3;H226 STOT SE 3;H336	[1][2]
Ethyl orthoformate CAS Number: 0000122-51-0	1.0 - 10	Flam. Liq. 2;H225	[1]
2,4-TDI CAS Number: 0000584-84-9	0.10 - 1.0	Carc. 2;H351 Acute Tox. 2;H330 Eye Irrit. 2;H319 STOT SE 3;H335 Skin Irrit. 2;H315 Resp. Sens. 1;H334 Skin Sens. 1;H317	[1][2]

		Aquatic Chronic 3;H412	
2-Methoxy-1-propanol acetate CAS Number: 0070657-70-4	0.10 - 1.0	Flam. Liq. 3;H226 Repr. 1B;H360D STOT SE 3;H335	[1]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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

Overview	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
Inhalation	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
Eyes	Causes severe eye irritation. Avoid contact with eyes.
Skin	Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.

5. Fire-fighting measures

5.1. Extinguishing media

CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient. CAUTION: For mixtures containing alcohol or polar solvent, alcohol-resistant foam may be more effective. SMALL FIRES: Use dry chemical, CO₂, water spray or regular foam. LARGE FIRES: Use water spray, fog, or regular foam. Do not use straight streams. Move containers from fire area if you can do so without risk.

5.2. Special hazards arising from the substance or mixture

No data available

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.

6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up

CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).

7. Handling and storage

7.1. Precautions for safe handling

Handling

Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

In Storage

Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities

Store between 40-100F (4-38C).

Do not get in eyes, on skin or clothing.

Strong oxidizing agents.

Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

7.3. Specific end use(s)

Close container after each use.

Wash thoroughly after handling.

Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000108-65-6	2-Methoxy-1-Methylethyl Acetate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	50 ppm TWA; 270 mg/m3 TWA
		Mexico	No Established Limit
		Brazil	No Established Limit
0000122-51-0	Ethyl orthoformate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0000123-86-4	N-Butyl Acetate	OSHA	150 ppm TWA; 710 mg/m3 TWA200 ppm STEL; 950 mg/m3 STEL
		ACGIH	50 ppm TWA (listed under Butyl acetates, all isomers)150 ppm STEL (listed under Butyl acetates, all isomers)
		NIOSH	150 ppm TWA; 710 mg/m3 TWA200 ppm STEL; 950 mg/m3 STEL1700 ppm IDLH (10% LEL)
		Supplier	No Established Limit
		OHSA, CAN	150 ppm TWA200 ppm STEL

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0000584-84-9	2,4-TDI	Mexico	150 ppm TWA VLE-PPT; 710 mg/m3 TWA VLE-PPT200 ppm STEL [PPT-CT]
		Brazil	No Established Limit
		OSHA	0.02 ppm STEL; 0.15 mg/m3 STEL
		ACGIH	0.001 ppm TWA (inhalable fraction and vapor)0.005 ppm STEL (inhalable fraction and vapor)
		NIOSH	2.5 ppm IDLH
		Supplier	No Established Limit
		OHSA, CAN	0.005 ppm TWA (designated substances regulation, listed under Isocyanates, organic compounds); 0.02 ppm STEL0.02 ppm Ceiling (designated substances regulation, listed under Isocyanates, organic compounds0.005 ppm TWA (listed under Isocyanates, organic compounds); 0.02 ppm Ceiling (listed under Iso
		Mexico	0.005 ppm TWA VLE-PPT0.02 ppm STEL [PPT-CT]
0026006-20-2	Aromatic polyisocyanate	Brazil	No Established Limit
		OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0070657-70-4	2-Methoxy-1-propanol acetate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
		OSHA	No Established Limit

Health Data

CAS No.	Ingredient	Source	Value
0000108-65-6	2-Methoxy-1-Methylethyl Acetate	NIOSH	No Established Limit
0000122-51-0	Ethyl orthoformate	NIOSH	No Established Limit
0000123-86-4	N-Butyl Acetate	NIOSH	Mucous membrane and eye irritation; high concentrations cause nervous system effects in animals
0000584-84-9	2,4-TDI	NIOSH	No Established Limit
0026006-20-2	Aromatic polyisocyanate	NIOSH	No Established Limit
0070657-70-4	2-Methoxy-1-propanol acetate	NIOSH	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000108-65-6	2-Methoxy-1-Methylethyl Acetate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000122-51-0	Ethyl orthoformate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000123-86-4	N-Butyl Acetate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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0000584-84-9	2,4-TDI	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0026006-20-2	Aromatic polyisocyanate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0070657-70-4	2-Methoxy-1-propanol acetate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory	Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.
Eyes	Avoid contact with eyes. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products. When there is a risk of ignition from static electricity, wear antistatic protective clothing and footwear. Any additional personal protective equipment or measures should be selected based on the risk assessment of the task being performed and should be approved by a specialist before handling this product.
Engineering Controls	Depending on the site-specific conditions of use, provide adequate ventilation.
Other Work Practices	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

9. Physical and chemical properties

Appearance	Coloured Liquid
Odor threshold	Not Measured
pH	No Established Limit
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	140 (°C) 284 (°F)
Flash Point	25 (°C) 77 (°F)
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: .7 Upper Explosive Limit: No Established Limit
vapor pressure (Pa)	Not Measured
Vapor Density	Heavier than air
Specific Gravity	1.02
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured

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Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	No Established Limit Not Measured
VOC %	Refer to the Technical Data Sheet or label where information is available.
VOHAP content (gm/litre of paint)	13.85 (as supplied)
VOHAP content (gm/litre of Solid Coating)	2.55 (as supplied)

10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No data available

11. Toxicological information

Acute toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr
2-Methoxy-1-Methylethyl Acetate - (108-65-6)	6,190.00, Rat - Category: NA	2,001.00, Rabbit - Category: 5	No data available	No data available
Aromatic polyisocyanate - (26006-20-2)	No data available	No data available	No data available	No data available
N-Butyl Acetate - (123-86-4)	10,760.00, Rat - Category: NA	17,600.00, Rabbit - Category: NA	No data available	No data available
Ethyl orthoformate - (122-51-0)	7,060.00, Rat - Category: NA	17,820.00, Rabbit - Category: NA	No data available	No data available
2,4-TDI - (584-84-9)	5,800.00, Rat - Category: NA	19,360.00, Rabbit - Category: NA	No data available	No data available
2-Methoxy-1-propanol acetate - (70657-70-4)	No data available	No data available	No data available	No data available

Item	Category	Hazard
Acute Toxicity (mouth)	Not Classified	Not Applicable
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	Not Classified	Not Applicable
Eye damage/irritation	2	Causes serious eye irritation.
Sensitization (respiratory)	1	May cause allergy or asthma symptoms of breathing difficulties if inhaled.

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Sensitization (skin)	1	May cause an allergic skin reaction.
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	2	Suspected of causing cancer.
Reproductive Toxicity	1B	May damage the unborn child.
Specific target organ systemic toxicity (single exposure)	3	May cause drowsiness or dizziness.
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
2-Methoxy-1-Methylethyl Acetate - (108-65-6)	100.00, Oncorhynchus mykiss	501.00, Daphnia magna	1,001.00 (96 hr), Pseudokirchnerella subcapitata
Aromatic polyisocyanate - (26006-20-2)	Not Available	Not Available	Not Available
N-Butyl Acetate - (123-86-4)	18.00, Pimephales promelas	44.00, Daphnia sp	246.00 (72 hr), Pseudokirchnerella subcapitata
Ethyl orthoformate - (122-51-0)	592.00, Leuciscus idus	Not Available	Not Available
2,4-TDI - (584-84-9)	164.50, Pimephales promelas	Not Available	Not Available
2-Methoxy-1-propanol acetate - (70657-70-4)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

Do not allow spills to enter drains or watercourses.

Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

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DOT (Domestic Surface Transportation)

Proper Shipping Name PAINT
Hazard Class 3 - Flammable

UN / NA Number UN 1263
Packing Group III
CERCLA/DOT RQ 2399 gal. / 20408 lbs.

IMO / IMDG (Ocean Transportation)

IMDG Proper Shipping Name PAINT
IMDG Hazard Class 3 - Flammable
Sub Class Not applicable

IMDG Packing Group III
System Reference Code 2

14.4. Packing group III

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification B2 D2A

DOT Marine Pollutants (10%):

(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):

(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>.1%) :

2,4-TDI (100 lb final RQ (listed under Benzene, 1,3-diisocyanatomethyl-); 45.4 kg final RQ (listed under)

N-Butyl Acetate (5000 lb final RQ (listed under Butyl acetate); 2270 kg final RQ (listed under Butyl acetate))

EPCRA 302 Extremely Hazardous (>.1%) :

2,4-TDI (500 lb TPQ)

EPCRA 313 Toxic Chemicals (>.1%) :

2,4-TDI

Mass RTK Substances (>1%) :

N-Butyl Acetate

Ethyl orthoformate

Penn RTK Substances (>1%) :

N-Butyl Acetate

Ethyl orthoformate

Penn Special Hazardous Substances (>.01%) :

2,4-TDI

RCRA Status:

(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :

N-Butyl Acetate

Ethyl orthoformate

N.J. Special Hazardous Substances (>.01%) :

2,4-TDI

N-Butyl Acetate

Ethyl orthoformate

N.J. Env. Hazardous Substances (>.1%) :

2,4-TDI

Proposition 65 - Carcinogens (>0%):
(No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0%):
(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0%):
(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0%):
(No Product Ingredients Listed)

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H360D May damage the unborn child.

H412 Harmful to aquatic life with long lasting effects.

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