

Safety Data Sheet

WABO CONDITIONING AGENT

Revision date : 2018/02/21
Version: 3.1

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(298888/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

WABO CONDITIONING AGENT

Recommended use of the chemical and restriction on use

Recommended use*: for industrial and professional users

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

Watson Bowman Acme

95 Pineview Drive Amherst, NY 14228

Emergency telephone number

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Flam. Liq.	2	Flammable liquids
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure

Label elements

Pictogram:

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Signal Word:
Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves and eye/face protection.
P271	Use only outdoors or in a well-ventilated area.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P260	Do not breathe dust/gas/mist/vapours.
P240	Ground and bond container and receiving equipment.
P242	Use only non-sparking tools.
P264	Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P311	If eye irritation persists: Call a POISON CENTER or doctor/physician.
P370 + P378	In case of fire: Use... to extinguish.

Precautionary Statements (Storage):

P233	Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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Hazards not otherwise classified

No applicable information available.

Labeling of special preparations (GHS):

Repeated exposure may cause skin dryness or cracking.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
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141-78-6	$\geq 75.0 - \leq 100.0\%$	ethyl acetate
75-07-0	$\geq 5.0 - < 7.0\%$	acetaldehyde

4. First-Aid Measures

Description of first aid measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Advice for fire-fighters

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Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Sources of ignition should be kept well clear. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

7. Handling and Storage

Precautions for safe handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Keep away from heat. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Conditions for safe storage, including any incompatibilities

Segregate from metals. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

acetaldehyde	OSHA PEL	PEL 200 ppm 360 mg/m ³ ; STEL value 150 ppm 270 mg/m ³ ; TWA value 100 ppm 180 mg/m ³ ;
	ACGIH TLV	CLV 25 ppm ;
ethyl acetate	OSHA PEL	PEL 400 ppm 1,400 mg/m ³ ; TWA value 400 ppm 1,400 mg/m ³ ;
	ACGIH TLV	TWA value 400 ppm ;

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Advice on system design:

No applicable information available.

Personal protective equipment

Respiratory protection:

When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

Hand protection:

Wear chemical resistant protective gloves., Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (chemical goggles).

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Form:	liquid	
Odour:	ammonia-like	
Odour threshold:	No applicable information available.	
Colour:	amber	
pH value:	approx. 7 neutral	
Melting temperature:	approx. -84 °C	
Boiling point:	77 °C (1,013 hPa) Literature data.	(other)
<i>Information on: ethyl acetate</i>		
Boiling point:	77 °C (1,013 hPa) Literature data.	(other)

Sublimation point:	No applicable information available.	
Flash point:	< 24 °F	
Flammability:	Highly flammable.	
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	< 800 °F	
Vapour pressure:	< 94 mmHg The product has not been tested.	

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Density:	approx. 0.9 g/cm ³ (20 °C)	
Relative density:	No applicable information available.	
Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	0.6	(OECD Guideline 107)
	0.6	(OECD Guideline 107)
Self-ignition temperature:	not self-igniting	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	No applicable information available.	
Solubility in water:	partly soluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Molar mass:	88.11 g/mol	
Evaporation rate:	No applicable information available.	

10. Stability and Reactivity

Reactivity

No applicable information available.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Chemical stability

No applicable information available.

Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.

Conditions to avoid

Incompatible materials

strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products

Decomposition products:

Thermal decomposition products: carbon oxides

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

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Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

Information on: acetaldehyde

Assessment of acute toxicity: Of moderate toxicity after single ingestion. Virtually nontoxic by inhalation.

Oral

Type of value: LD50

Species: rat

Value: 5,620 mg/kg

Type of value: LD50

Species: rat

Value: > 5,760 mg/kg (BASF-Test)

Inhalation

Type of value: LC50

Species: rat (male/female)

Value: > 22.5 mg/l (other)

Exposure time: 6 h

The vapour was tested.

Dermal

Type of value: LD50

Species: rabbit

Value: > 20,000 mg/kg

Assessment other acute effects

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

Irritation / corrosion

Assessment of irritating effects: Irritating to eyes. Not irritating to the skin. EU-classification

Information on: acetaldehyde

Assessment of irritating effects: Not irritating to the skin. Irritating to eyes.

Skin

Species: rabbit

Result: non-irritant

Literature data.

Species: rabbit

Result: non-irritant

Method: BASF-Test

Eye

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

Species: rabbit

Result: Irritant.

Method: BASF-Test

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Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

Information on: acetaldehyde

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies.

Guinea pig maximization test

Species: guinea pig

Result: Non-sensitizing.

Method: OECD Guideline 406

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: The substance may cause damage to the olfactory epithelium after repeated inhalation.

No adverse effects were observed after repeated oral exposure in animal studies. The substance may cause damage to the olfactory epithelium after repeated inhalation.

Experimental/calculated data: rat Inhalation 94 d 0, 350, 750, 1500 ppm

NOAEL: 1.28 mg/l 350 ppm

LOAEL: 1.28 mg/l 350 ppm

rat (Sprague-Dawley) (male/female) gavage 90-92 d 0, 300, 900, 3600 mg/kg

NOAEL: 900 mg/kg

LOAEL: 3,600 mg/kg

Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria. The substance was genotoxic in mammalian cell culture. The substance was not genotoxic in a test with mammals.

Genetic toxicity in vitro: OECD Guideline 473 Chromosomal Aberration Test CHO cells:negative

Sister chromatid exchange assay CHO cells:with metabolic activation positive

OECD Guideline 471 Ames-test Salmonella typhimurium:with and without metabolic activation negative

Genetic toxicity in vivo: OECD Guideline 474 Micronucleus assay Chinese hamster (male/female) gavage negative

Micronucleus assay mouse intraperitoneal negative

Micronucleus assay hamster (male/female) intraperitoneal negative

Carcinogenicity

Assessment of carcinogenicity: In long-term animal studies in which the substance was given by injection at high concentrations, a carcinogenic effect was not observed. Literature data.

Information on: acetaldehyde

Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. IARC

(International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

Reproductive toxicity

Assessment of reproduction toxicity: Repeated inhalative uptake of the substance did not cause damage to the reproductive organs. Literature data.

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Reproduction

Experimental/calculated data: rat (Sprague-Dawley) (male/female) Inhalation 350, 750, 1500 ppm
NOAEL Mat.: 1500 ppm

Teratogenicity

Assessment of teratogenicity: The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Other Information

Has a degreasing effect on skin.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish

LC50 (96 h) 230 mg/l, Pimephales promelas (Fish test acute, Flow through.)

The statement of the toxic effect relates to the analytically determined concentration.

Aquatic invertebrates

EC50 (24 h) 346 mg/l, Artemia salina (other)

The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. A saturated solution has been tested.

Toxic limit concentration (24 h) 1,590 mg/l, Artemia salina (other, static)

The details of the toxic effect relate to the nominal concentration.

Aquatic plants

No observed effect concentration (72 h) > 100 mg/l (growth rate), Desmodium subspicatus (OECD Guideline 201, static)

The details of the toxic effect relate to the nominal concentration. Limit concentration test only (LIMIT test).

Chronic toxicity to fish

No observed effect concentration (32 d) < 9.65 mg/l, Pimephales promelas (OECD Guideline 210, Flow through.)

The statement of the toxic effect relates to the analytically determined concentration.

Chronic toxicity to aquatic invertebrates

No observed effect concentration (21 d) 2.4 mg/l, Daphnia magna (semistatic)

No observed effect concentration (21 d) 2.4 mg/l, Daphnia magna (OECD Guideline 211, semistatic)

The statement of the toxic effect relates to the analytically determined concentration.

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Assessment of terrestrial toxicity

No data available.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

other static

Protozoa/Toxic limit concentration (72 h): approx. 202 mg/l

The details of the toxic effect relate to the nominal concentration.

other static

Protozoa/Toxic limit concentration (48 h): approx. 1,620 mg/l

The details of the toxic effect relate to the nominal concentration.

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

Readily biodegradable (according to OECD criteria).

Elimination information

approx. 69 % BOD of the ThOD (20 d) (other) (aerobic, activated sludge, domestic, non-adapted)

Assessment of stability in water

In contact with water the substance will hydrolyse slowly.

Information on Stability in Water (Hydrolysis)

t_{1/2} 2 a (24.9 °C, pH value 7), (other)

Assessment photodegradation

After evaporation or exposure to the air, the product will be slowly degraded by photochemical processes.

Bioaccumulative potential

Assessment bioaccumulation potential

Accumulation in organisms is not to be expected.

Does not significantly accumulate in organisms.

Bioaccumulation potential

Bioconcentration factor: 30 (3 d), *Leuciscus idus melanotus* (other)

Bioconcentration factor: 30 (3 d), *Leuciscus idus*

13. Disposal considerations

Waste disposal of substance:

Recommendations: Use excess product in an alternate beneficial application. Dispose of in accordance with national, state and local regulations.

Dispose of in accordance with national, state and local regulations.

Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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14. Transport Information

Land transport

USDOT

Hazard class: 3
Packing group: II
ID number: UN 1173
Hazard label: 3
Proper shipping name: ETHYL ACETATE

Sea transport

IMDG

Hazard class: 3
Packing group: II
ID number: UN 1173
Hazard label: 3
Marine pollutant: NO
Proper shipping name: ETHYL ACETATE

Air transport

IATA/ICAO

Hazard class: 3
Packing group: II
ID number: UN 1173
Hazard label: 3
Proper shipping name: ETHYL ACETATE

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

EPCRA 313:

<u>CAS Number</u>	<u>Chemical name</u>
75-07-0	acetaldehyde

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
5000 LBS	141-78-6	ethyl acetate
1000 LBS	75-07-0	acetaldehyde

State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
PA	75-07-0	acetaldehyde
	141-78-6	ethyl acetate
MA	75-07-0	acetaldehyde
	141-78-6	ethyl acetate

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NJ	75-07-0 141-78-6	acetaldehyde ethyl acetate
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Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

WARNING: This product can expose you to chemicals including ACETALDEHYDE, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

NFPA Hazard codes:

Health: 3 Fire: 3 Reactivity: 0 Special:

16. Other Information

SDS Prepared on: 2018/02/21

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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