

Safety Data Sheet

WABO CONDITIONING AGENT

Revision date : 2010/12/02

Version: 1.1

Page: 1/8

(298888/SDS_GEN_US/EN)

1. Product and Company Identification

Company

BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Hazards Identification

Emergency overview

WARNING:
FLAMMABLE LIQUID AND VAPOR.
MAY CAUSE EYE IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.
MAY CAUSE ALLERGIC SKIN REACTION.
Contains a suspect carcinogen.
Keep container tightly closed.
Avoid all sources of ignition: heat, sparks, open flame.

State of matter: liquid
Colour: amber
Odour: ammonia-like

Potential health effects**Primary routes of exposure:**

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

Irritation / corrosion:

Irritating to eyes. Not irritating to the skin.

Assessment other acute effects:

Possible narcotic effects (drowsiness or dizziness).

Sensitization:

Skin sensitizing effects were not observed in animal studies.

Chronic toxicity:

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

Safety Data Sheet

WABO CONDITIONING AGENT

Revision date : 2010/12/02
Version: 1.1

Page: 2/8
(298888/SDS_GEN_US/EN)

Genotoxicity: No mutagenic effect was found in various tests with bacteria, microorganisms and mammalian cell culture. The substance was not mutagenic in studies with mammals. Literature data.

Potential environmental effects

Aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
141-78-6	>= 60.0 - <= 100.0 %	ethyl acetate
75-07-0	>= 3.0 - <= 7.0 %	acetaldehyde

4. 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.

5. Fire-Fighting Measures

Flash point: < 24 °F

Autoignition: < 800 °F

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Hazards during fire-fighting:

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

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.

Safety Data Sheet

WABO CONDITIONING AGENT

Revision date : 2010/12/02
Version: 1.1

Page: 3/8
(298888/SDS_GEN_US/EN)

6. Accidental release measures

Personal precautions:

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.

Cleanup:

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

Handling

General advice:

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.

Storage

General advice:

Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight.

Storage incompatibility:

General advice: Segregate from metals. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

8. Exposure Controls and Personal Protection

Components with workplace control parameters

acetaldehyde	OSHA	PEL 200 ppm 360 mg/m3 ;
	ACGIH	CLV 25 ppm ;
ethyl acetate	OSHA	PEL 400 ppm 1,400 mg/m3 ;
	ACGIH	TWA value 400 ppm ;

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.

Safety Data Sheet

WABO CONDITIONING AGENT

Revision date : 2010/12/02
Version: 1.1

Page: 4/8
(298888/SDS_GEN_US/EN)

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	
Colour:	amber	
Boiling point:	77 °C	(1,013 hPa) (other) Literature data.
<i>Information on: ethyl acetate</i>		
Boiling point:	77 °C	(1,013 hPa) (other) Literature data.

Vapour pressure:	< 94 mmHg	
Density:	< 1 g/cm ³	
Partitioning coefficient n-octanol/water (log Pow):	0.6	(OECD Guideline 107)
	0.6	(OECD Guideline 107)
Solubility in water:		partly soluble
Molar mass:	88.11 g/mol	

10. Stability and Reactivity

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

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

Decomposition products:

Thermal decomposition products: carbon oxides

11. Toxicological information

Acute toxicity

Information on: acetaldehyde

Assessment of acute toxicity:

Of moderate toxicity after single ingestion.

Oral:

Type of value: LD50

Species: rat

Value: 5,620 mg/kg

Inhalation:

Type of value: LC50

Species: rat (male/female)

Value: > 22.5 mg/l

Exposure time: 6 h

Dermal:

Type of value: LD50

Species: rabbit

Value: > 18,000 mg/kg

Safety Data Sheet

WABO CONDITIONING AGENT

Revision date : 2010/12/02
Version: 1.1

Page: 5/8
(298888/SDS_GEN_US/EN)

Irritation / corrosion

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

Skin:

Species: rabbit
Result: non-irritant
Literature data.

Eye:

Species: rabbit
Result: non-irritant
Method: OECD Guideline 405

Sensitization

Information on: acetaldehyde
Assessment of sensitization:
Human data do not fully exclude a skin sensitizing potential.

Guinea pig maximization test
Species: guinea pig
Result: Non-sensitizing.
Method: OECD Guideline 406

Carcinogenicity

Information on: acetaldehyde
Indication of possible carcinogenic effect in animal tests.

Other Information:

Has a degreasing effect on skin.

12. Ecological Information

Fish

Acute:
OECD 203; ISO 7346; 84/449/EEC, C.1 semistatic
Salmo gairdneri, syn. O. mykiss/LC50 (96 h): 454.7 mg/l
Nominal concentration.
DIN 38412 Part 15 static
Leuciscus idus melanotus/LC50 (48 h): 270 mg/l
Nominal concentration.

Aquatic invertebrates

Acute:
static
Daphnia magna/EC50 (48 h): 717 mg/l
Nominal concentration.

Aquatic plants

Toxicity to aquatic plants:
DIN 38412 Part 9 static
green algae/EC50 (48 h): 3,300 mg/l

Safety Data Sheet

WABO CONDITIONING AGENT

Revision date : 2010/12/02
Version: 1.1

Page: 6/8
(298888/SDS_GEN_US/EN)

Nominal concentration.

Microorganisms

Toxicity to microorganisms:
DIN 38412 Part 8 aquatic
bacterium/EC10 (18 h): 2,900 mg/l
Nominal concentration.

Degradability / Persistence

Biological / Abiological Degradation

Test method: OECD 301D; EEC 92/69, C.4-E (aerobic),
Degree of elimination: 100 % (28.000000 d)
Evaluation: Readily biodegradable.
other TS
Readily biodegradable (according to OECD criteria).

Bioaccumulation

Accumulation in organisms is not to be expected.

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.

14. Transport Information

Land transport

USDOT

Hazard class: 3
Packing group: III
ID number: UN 2924
Hazard label: 3, 8
Proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (contains ETHYLACETATE)

Sea transport

IMDG

Hazard class: 3
Packing group: III
ID number: UN 2924
Hazard label: 3, 8
Marine pollutant: NO
Proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (contains ETHYLACETATE)

Air transport

IATA/ICAO

Safety Data Sheet

WABO CONDITIONING AGENT

Revision date : 2010/12/02
Version: 1.1

Page: 7/8
(298888/SDS_GEN_US/EN)

Hazard class: 3
Packing group: III
ID number: UN 2924
Hazard label: 3, 8
Proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (contains ETHYLACETATE)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

OSHA hazard category:

IARC 1, 2A or 2B carcinogen; NTP listed carcinogen; Chronic target organ effects reported; ACGIH TLV established; Flammable Liquid

EPCRA 311/312 (Hazard categories):

Acute; Chronic; Fire; Sudden release of pressure

EPCRA 313:

CAS Number

75-07-0

Chemical name

acetaldehyde

CERCLA RQ

5000 LBS

1000 LBS

CAS Number

141-78-6

75-07-0

Chemical name

ethyl acetate

acetaldehyde

State regulations

State RTK

MA, NJ, PA

MA, NJ, PA

CAS Number

141-78-6

75-07-0

Chemical name

ethyl acetate

acetaldehyde

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

16. Other Information

HMIS III rating

Health: 3 Flammability: 3 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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.

MSDS Prepared by:

BASF NA Product Regulations

msds@basf.com

Safety Data Sheet

WABO CONDITIONING AGENT

Revision date : 2010/12/02

Version: 1.1

Page: 8/8

(298888/SDS_GEN_US/EN)

MSDS Prepared on: 2010/12/02

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE , IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

END OF DATA SHEET