



The Chemical Company

Safety data sheet

923-209 Low VOC Klarlack Clear

Revision date : 2007/01/26
Version: 1.1

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(30317263/CDU_GEN_US/EN)

1. Substance/preparation and company identification

Company

BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS Number	Content (weight%)
parachlorobenzotrifluoride PEL/TLV not established	98-56-6	25 - 35
ethyl 3-ethoxypropionate PEL/TLV not established	763-69-9	5 - 15
ethylene glycol butyl ether acetate ACGIH TWA 20 ppm	112-07-2	1 - 10
methyl acetate OSHA PEL 200 ppm 610 mg/m ³ ACGIH STEL 250 ppm; TWA 200 ppm	79-20-9	1 - 10
petroleum naphtha, heavy PEL/TLV not established	64742-48-9	1 - 10

3. HAZARD IDENTIFICATION

HMIS III RATING

Health: 2⁺ Flammability: 3 Physical hazard: 0

HMIS uses 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 high hazard.

EMERGENCY OVERVIEW

WARNING

FLAMMABLE LIQUID

HARMFUL IF INHALED

CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE

CAN CAUSE LIVER DAMAGE

CAN CAUSE KIDNEY DAMAGE

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION

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INGESTION MAY CAUSE GASTRIC DISTURBANCES

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 liquefied gases.

Solvents are absorbed through the skin.

Acute toxicity:

Inhalation may cause CNS depression, blurred vision, dizziness and drowsiness.

Overexposure may cause nausea and vomiting.

Inhalation causes headache and nausea.

Vapors have a suffocating effect.

Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

Information on: ethyl 3-ethoxy propionate

Rats exposed to ethyl-3-ethoxy propionate by inhalation exhibited minor CNS effects.

Information on: ethylene glycol butyl ether acetate

Inhalation of the vapors can cause nasal and respiratory irritation, CNS effects including dizziness, weakness, fatigue, nausea, headache, and possible unconsciousness and even death. Ingestion may result in G.I. irritation, nausea, vomiting, and diarrhea. Ethylene glycol monobutyl ether acetate is readily absorbed through the skin and can result in toxic effects.

Information on: methyl acetate

Acute inhalation overexposures at high concentrations may produce irritation of the nose, throat, eyes and upper respiratory tract; CNS effects and narcosis. Several cases of disturbances of vision have also been reported due to overexposures of methyl acetate. Prolonged contact with liquid may produce dryness, cracking and irritation to the skin.

Information on: parachlorobenzotrifluoride

Inhalation of Parachlorobenzotrifluoride may produce symptoms of CNS depression including headache, dizziness, nausea, loss of balance and drowsiness. Ingestion may cause damage to the lining of the G.I. tract.

Irritation:

Skin contact may result in irritation, defatting and dermatitis.

Vapors cause irritation to the respiratory tract and the eyes.

Prolonged inhalation of product vapor can result in irritation of the mucous membranes.

Repeated dose toxicity:

Information on: ethyl 3-ethoxy propionate

In teratology studies, pregnant rats exposed by inhalation exhibited slight fetotoxicity at the maternally toxic concentration of 1000 ppm.

Information on: ethylene glycol butyl ether acetate

Prolonged or repeated overexposure to ethylene glycol mono butyl ether acetate may result in severe irritation to the

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eyes and skin.

Information on: methyl acetate

Chronic overexposure to methyl acetate at 6600 ppm was reported to cause lung irritation, weight loss, blood changes and death.

Information on: parachlorobenzotrifluoride

Studies conducted on laboratory animals indicate that exposures to parachlorobenzotrifluoride via inhalation and ingestion may result in liver and kidney damage.

4. FIRST-AID MEASURES

General advice:

Remove contaminated clothing.

Contact the local poison control center or call BASF Emergency Response at 1-800-832-HELP (4357).

If inhaled:

Keep patient calm, remove to fresh air.

If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:

Wash affected areas with water for at least 15 minutes.

If irritation develops, seek medical attention.

If in eyes:

Flush with copious amounts of water for at least 15 minutes.

Hold eyelids open to facilitate rinsing.

Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water.

Do not induce vomiting due to aspiration hazard.

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

Immediate medical attention is required.

Ingestion may cause irritation of the gastrointestinal tract.

Aspiration may result in chemical pneumonitis, which may be fatal.

5. FIRE FIGHTING MEASURES

Flash point: ≤ 72 °F (≤ 22.2 °C)

Lower explosion limit: 0.5 VOL%

Upper explosion limit: 16.0 VOL%

Suitable extinguishing media:

Dry extinguishing media

Carbon dioxide

Foam

Unsuitable extinguishing media for safety reasons:

Water spray

Hazards during firefighting:

Flammable gases/vapors.

Vapors and/or decomposition products are irritants and/or toxic.

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If product is heated above decomposition temperatures, acrid smoke and fumes will be released.

Protective equipment for firefighting:

Wear self-contained breathing apparatus and turn-out gear.

Further information:

Vapors are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition. Flash fire may occur.

Remove product from areas of fire or otherwise cool sealed containers with water in order to avoid pressure build-up due to heat.

Do not flood burning material with water due to potential spreading of fire.

Contain contaminated water/firefighting water.

Run-off water from fire may cause pollution.

Notify proper authorities.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Extinguish sources of ignition nearby and downwind.

Wear suitable personal protective clothing and equipment.

Ensure adequate ventilation.

Avoid prolonged inhalation.

Avoid contact with skin and eyes.

Use antistatic tools.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities.

Acutely toxic for aquatic organisms.

Cleanup:

Dike spillage.

Place into appropriately labeled waste containers.

Spills should be contained, solidified, and placed in suitable containers for disposal.

7. HANDLING AND STORAGE

HANDLING

General advice:

Ensure adequate ventilation.

Do not puncture, drop or slide containers.

Use static lines when mixing and transferring material.

Handle and open container with care.

Avoid contact with the skin, eyes and clothing.

WARNING: Empty containers may still contain hazardous residue.

Do not apply to hot surfaces.

Proper ventilation and respiratory protection is required when sanding, flame cutting, welding or brazing coated surfaces.

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Protection against fire and explosion:
Use antistatic tools.
Exhaust fans should be explosion proof.
Provide adequate ventilation to remove solvent vapors from lower levels or work areas and to prevent solvent contact with ignition sources.
Sealed containers should be protected against heat as this results in pressure build-up.
Risk of explosion if heated under confinement.
Avoid all sources of ignition: heat, sparks, or open flame.

STORAGE

General advice:
Keep container tightly closed.
Protect from direct sunlight.
Protect from temperatures above 49C/ 120F.
Consult local fire marshal for storage requirements.

Storage incompatibility:
General: Segregate from incompatible substances.
Segregate from oxidizing agents.
Segregate from strong bases.
Segregate from strong acids.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

See section 2.

ADVICE ON SYSTEM DESIGN

Provide local exhaust ventilation to maintain recommended P.E.L.
General mechanical ventilation should comply with OSHA 1910.94.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection:
Wear respiratory protection if ventilation is inadequate.
Wear NIOSH-certified (or equivalent) organic vapor respirator.
Particulate filters should be added during spray operations.
Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination.
Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:
Use appropriate chemically resistant gloves as determined by an evaluation of glove performance characteristics and the hazards and potential hazards identified, including but not limited to butyl, natural and synthetic rubber, nitrile, or neoprene.

Eye protection:
Tightly fitting safety goggles (chemical goggles).
Wear face shield if splashing hazard exists.

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

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General safety and hygiene measures:

Work place should be equipped with a shower and eye wash.

Contact lenses should not be worn.

Remove contaminated clothing.

Contaminated equipment or clothing should be cleaned after each use or disposed of.

Hands and/or face should be washed before breaks and at the end of the shift.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid

Odour: aromatic

Colour: clear

Boiling range: 131 - 367 °F / 55.0 - 186.1 °C

Vapour pressure: n.d.a.

Weight per gallon: 9.23 lb/gal CALC

Vapour density: heavier than air

Solids content: approx. 47 %

% volatiles: approx. 53.0 %

10. STABILITY AND REACTIVITY

Conditions to avoid:

Avoid all sources of ignition: heat, sparks or open flames.

Avoid electrostatic discharge.

Substances to avoid:

Strong bases

Strong oxidizing agents

Strong acids

Hazardous reactions:

This product is chemically stable.

Decomposition products:

Carbon monoxide

Carbon dioxide

11. TOXICOLOGICAL INFORMATION

No data available.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Waste disposal of substances:

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

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The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste. It is the waste generators responsibility to determine if a particular waste is hazardous under RCRA. Do not discharge into drains/surface waters/groundwater. Incinerate or dispose of in a RCRA licensed facility. Do not incinerate closed containers.

Contaminated packaging:

WARNING: Empty containers may still contain hazardous residue. Dispose of in accordance with national, state and local regulations.

14. TRANSPORT INFORMATION

Land transport
USDOT

Proper shipping name: Resin Solution
Hazard class: 3
ID-number: UN 1866
Packing group: II

Sea transport
IMDG

Proper shipping name: Resin Solution
Hazard class: 3
ID-number: UN 1866
Packing group: II

Air transport
IATA/ICAO

Proper shipping name: Resin Solution
Hazard class: 3
ID-number: UN 1866
Packing group: II

15. REGULATORY INFORMATION

FEDERAL REGULATIONS

TSCA, US released / listed

SARA 313:

CAS number	Weight%	Chemical name
112-07-2	4.5	ethylene glycol butyl ether acetate

STATE REGULATIONS

State RTK:

CAS Number	Chemical name
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489909-5224-P-NLR	Acrylic Resin
98-56-6	parachlorobenzotrifluoride
763-69-9	ethyl 3-ethoxypropionate
112-07-2	ethylene glycol butyl ether acetate
79-20-9	methyl acetate
64742-48-9	petroleum naphtha, heavy

California Proposition 65 information:

WARNING: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

16. OTHER INFORMATION

Recommended use: FOR INDUSTRIAL USE ONLY.

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.