1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

2. Hazards Identification


Classification of the product

Acute toxicity 4 oral
Acute toxicity 4 Inhalation - vapour
Skin corrosion/irritation 1
Serious eye damage/eye irritation 1
Skin sensitization 1
Germ cell mutagenicity 1
Carcinogenicity 1
Reproductive toxicity 1 unborn child
Reproductive toxicity 2 unborn child
Specific target organ toxicity - single exposure 3 Vapours may cause drowsiness and dizziness.

Hazardous to the aquatic environment - acute 2
Hazardous to the aquatic environment - chronic 2
Flammable liquids 2

Label elements

Pictogram:
Flame
Corrosion
Exclamation mark
Environment
Health hazard

Signal Word:
Danger
Hazard Statement:
H314                  Causes severe skin burns and eye damage.
H332                  Harmful if inhaled.
H302                  Harmful if swallowed.
H317                  May cause an allergic skin reaction.
H411                  Toxic to aquatic life with long lasting effects.
H225                  Highly flammable liquid and vapour.
H336                  May cause drowsiness or dizziness.
H361                  Suspected of damaging the unborn child.
H360                  May damage the unborn child.
H350                  May cause cancer.
H340                  May cause genetic defects.

Precautionary Statements (Prevention):
P201                  Obtain special instructions before use.
P261                  Avoid breathing dust/fume/gas/mist/vapours/spray.
P273                  Avoid release to the environment.
P272                  Contaminated work clothing should not be allowed out of the workplace.
P260                  Do not breathe dust or mist.
P270                  Do not eat, drink or smoke when using this product.
P202                  Do not handle until all safety precautions have been read and understood.
P240                  Ground/bond container and receiving equipment.
P233                  Keep container tightly closed.
P243                  Take precautionary measures against static discharge.
P241                  Use explosion-proof electrical/ventilating/lighting/equipment.
P242                  Use only non-sparking tools.
P281                  Use personal protective equipment as required.
P264                  Wash with plenty of water and soap thoroughly after handling.
P210                  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271                  Use only outdoors or in a well-ventilated area.
P280                  Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements (Response):
P391                  Collect spillage.
P308 + P313           IF exposed or concerned: Get medical advice/attention.
P304 + P340           IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353    IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with
water/shower.

P333 + P313       If skin irritation or rash occurs: Get medical advice/attention.
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P310          Immediately call a POISON CENTER or doctor/physician.
P330          Rinse mouth.
P321          Specific treatment (see on this label).
P363          Wash contaminated clothing before reuse.
P370 + P378     In case of fire: Use water spray for extinction.
P302 + P352     IF ON SKIN: Wash with plenty of 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.

Precautionary Statements (Storage):
P405          Store locked up.
P403 + P235     Store in a well-ventilated place. Keep cool.
P403 + P233     Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statements (Disposal):
P501          Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

No applicable information available.


Emergency overview

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
CONTAINS MATERIAL THAT MAY CAUSE ALLERGIC SKIN REACTION
CONTAINS MATERIAL THAT MAY CAUSE ALLERGIC RESPIRATORY REACTION
MAY CAUSE ALLERGIC OR ASTHMATIC SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.
CONTAINS MATERIAL WHICH MAY CAUSE CANCER.
MAY CAUSE PULMONARY EDEMA
CONTAINS MATERIAL WHICH MAY CAUSE DAMAGE TO THE BLOOD-FORMING ORGANS
INGESTION MAY CAUSE GASTRIC DISTURBANCES

3. Composition / Information on Ingredients

64741-65-7 0.0 - 5.0 % naphtha, heavy alkylate
64742-48-9 0.0 - 15.0 % petroleum naphtha, heavy
64742-95-6 0.0 - 3.0 % solvent naphtha, light aromatic
15096-41-0 0.0 - 3.0 % Tetrachloro-μ-hydroxy-μ-methac
78-92-2 0.0 - 20.0 % sec-butyl alcohol
121-57-3 0.0 - 1.0 % sulphanilic acid
64742-48-9 0.0 - 15.0 % Naphtha (petroleum), hydrotreated heavy
108-01-0 0.0 - 5.0 % 2-dimethylaminoethanol
67-63-0 0.0 - 50.0 % isopropyl alcohol
67-64-1 0.0 - 3.0 % acetone
95-63-6 0.0 - 3.0 % 1,2,4-trimethylbenzene
107-98-2 0.0 - 50.0 % 1-methoxy-2-propanol
108-88-3 0.1 - 0.3 % toluene
111-76-2 0.0 - 75.0 % 2-butoxyethanol
8052-41-3 0.0 - 3.0 % stoddard solvent
126-86-3 0.0 - 7.0 % acetylenic diol
1308-38-9 0.0 - 5.0 % chromoxide pigment
1309-37-1 0.0 - 25.0 % iron oxide
1314-23-4 0.0 - 3.0 % zirconium oxide
1317-80-2 0.0 - 20.0 % titanium dioxide (rutile)
1333-86-4 0.0 - 15.0 % carbon black
1344-28-1 0.0 - 20.0 % aluminium oxide
1589-47-5 0.0 - 0.2 % 2-methoxypropanol
7727-43-7 0.0 - 5.0 % barium sulphate
7783-40-6 0.0 - 10.0 % magnesium fluoride
13463-67-7 0.0 - 75.0 % titanium dioxide
21645-51-2 0.0 - 3.0 % alumina hydroxide
64742-88-7 0.0 - 5.0 % solvent naphtha, medium aliphatic
68307-94-8 0.0 - 3.0 % Phosphoric acid, mono- and di-C6-10-alkyl esters
65997-17-3 0.0 - 10.0 % glass, oxide
7429-90-5 0.0 - 50.0 % aluminium powder
7782-42-5 0.0 - 25.0 % graphite
12001-26-2 0.0 - 20.0 % mica


111-76-2 0.0 - 75.0 % 2-butoxyethanol
67-63-0 0.0 - 50.0 % isopropyl alcohol
107-98-2 0.0 - 50.0 % 1-methoxy-2-propanol
108-01-0 0.0 - 5.0 % 2-dimethylaminoethanol
64742-48-9 0.0 - 15.0 % petroleum naphtha, heavy
64742-88-7 0.0 - 5.0 % solvent naphtha, medium aliphatic
64742-48-9 0.0 - 15.0 % Naphtha (petroleum), hydrotreated heavy
4. First-Aid Measures

Description of first aid measures

General advice:
First aid personnel should pay attention to their own safety.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air.
If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:

If in eyes:
Flush with copious amounts of water for at least 15 minutes.
Hold eyelids open to facilitate rinsing.
If irritation develops, seek medical attention.
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.

Most important symptoms and effects, both acute and delayed

1314-23-4  0.0 - 3.0 % zirconium oxide
1317-80-2  0.0 - 20.0 % titanium dioxide (rutile)
1333-86-4  0.0 - 15.0 % carbon black
1344-28-1  0.0 - 20.0 % aluminium oxide
7727-43-7  0.0 - 5.0 % barium sulphate
7783-40-6  0.0 - 10.0 % magnesium fluoride
13463-67-7 0.0 - 75.0 % titanium dioxide
21645-51-2 0.0 - 3.0 % alumina hydroxide
12001-26-2 0.0 - 20.0 % mica
1308-38-9  0.0 - 5.0 % chromoxide pigment
95-63-6  0.0 - 3.0 % 1,2,4-trimethylbenzene
67-64-1  0.0 - 3.0 % acetone
78-92-2  0.0 - 20.0 % sec-butyl alcohol
15096-41-0 0.0 - 3.0 % Tetrachloro-µ-hydroxy-µ-methac
64741-65-7 0.0 - 5.0 % naphtha, heavy alkylate
1309-37-1 0.0 - 25.0 % iron oxide
65997-17-3 0.0 - 10.0 % glass, oxide
7429-90-5  0.0 - 50.0 % aluminium powder
7782-42-5  0.0 - 25.0 % graphite
98-82-8  0.0 - 0.3 % isopropylbenzene
Symptoms:
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment:
Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
Dry extinguishing media
Carbon dioxide
Foam
Water spray

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
Vapors and/or decomposition products are irritants and/or toxic.
If product is heated above decomposition temperatures, acrid smoke and fumes will be released.

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with 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, protective equipment and emergency procedures
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.

Methods and material for containment and cleaning up
Dike spillage.
Place into appropriately labeled waste containers.
Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling
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.

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.

Conditions for safe storage, including any incompatibilities
Segregate from incompatible substances.
Segregate from oxidizing agents.
Segregate from strong bases.
Segregate from strong acids.

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

Storage stability:

8. Exposure Controls and Personal Protection

Components with occupational exposure limits
isopropyl alcohol
ACGIH STEL 400 ppm; TWA 200 ppm
OSHA PEL 400 ppm 980 mg/m3
acetone
ACGIH STEL 750 ppm; TWA 500 ppm
OSHA PEL 1000 ppm 2400 mg/m3
sec-butyl alcohol
ACGIH TWA 100 ppm
OSHA PEL 150 ppm 450 mg/m3
1,2,4-trimethylbenzene
ACGIH TWA 25 ppm
isopropylbenzene
ACGIH TWA 50 ppm
OSHA PEL 50 ppm 245 mg/m3
1-methoxy-2-propanol
ACGIH STEL 150 ppm; TWA 100 ppm
toluene
ACGIH TWA 20 ppm
OSHA CLV 300 ppm; TWA 200 ppm; max. conc. 500 ppm
sec-butoxyethanol
ACGIH TWA 20 ppm
OSHA PEL 50 ppm 240 mg/m3
chromoxide pigment
OSHA PEL 0.5 mg/m3
iron oxide
ACGIH TWA 5 mg/m3
zirconium oxide
ACGIH STEL 10 mg/m3; TWA 5 mg/m3
OSHA PEL 5 mg/m3
titanium dioxide (rutile)
ACGIH TWA 10 mg/m3 T
OSHA PEL 15 mg/m3 T
carbon black
ACGIH TWA 3.5 mg/m3
OSHA PEL 3.5 mg/m3
aluminium oxide
ACGIH TWA 1 mg/m3
OSHA PEL 5 mg/m3 R; PEL 15 mg/m3 T
aluminium powder
ACGIH TWA 1 mg/m3
barium sulphate
ACGIH TWA 10 mg/m3
OSHA PEL 5 mg/m3 R; PEL 15 mg/m3 T
graphite
ACGIH TWA 2 mg/m3
OSHA PEL 5 mg/m3 R; PEL 15 mg/m3 T
magnesium fluoride
ACGIH TWA 2.5 mg/m3
OSHA PEL 2.5 mg/m3; TWA 2.5 mg/m3
mica
ACGIH TWA 3 mg/m3
titanium dioxide
ACGIH TWA 10 mg/m3
OSHA PEL 15 mg/m3 T
alumina hydroxide
ACGIH TWA 1 mg/m3 T
naphtha, heavy alkylate
OSHA PEL 100 ppm 400 mg/m3
petroleum naphtha, heavy
OSHA PEL 100 ppm 400 mg/m3
glass, oxide
ACGIH TWA 5 mg/m3
Tetrachloro-µ-hydroxy-µ-methacrylato-dichromium
OSHA PEL 0.5 mg/m3 T
Naphtha (petroleum), hydrotreated heavy
OSHA PEL 100 ppm 400 mg/m3

T  Total dust
R  Respirable fraction

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.

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.

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: product specific
Odour threshold: No applicable information available.
Colour: Various
pH value: No applicable information available.
Melting temperature: No applicable information available.
Boiling range: 212 - 4,532 °F
Sublimation temperature: No applicable information available.
Flash point: 35 - 210 °F (1.7 - 98.9 °C) (calculated)
Flammability: No applicable information available.
Lower explosion limit: not available
Upper explosion limit: not available
Autoignition: No applicable information available.
Vapour pressure: not available
Density: 7.51 - 13.85 Lb/USg CALC
Relative density: 0.90 - 1.66
Vapour density: heavier than air
Partitioning coefficient n-octanol/water (log Pow): No applicable information available.
Thermal decomposition: No applicable information available.
Viscosity, dynamic: No applicable information available.
Solids content: approx. 16 - 74 %
Viscosity, kinematic: > 20.60 mm2/s
Solubility in water: No applicable information available.
Solubility (quantitative): No applicable information available.
Solubility (qualitative): No applicable information available.
Evaporation rate: No applicable information available.

10. Stability and Reactivity

Reactivity
Reactivity: No applicable information available.

Chemical stability
Chemical stability: The product is chemically stable.

Possibility of hazardous reactions
Hazardous reactions: No applicable information available.
Conditions to avoid

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

Incompatible materials

Substances to avoid:
strong bases
strong oxidizing agents
oxidizing agents
strong acids

Hazardous decomposition products

Decomposition products:
carbon monoxide
carbon dioxide

Thermal decomposition:
No applicable information available.

11. Toxicological Information

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.

Primary routes of entry:
Solvents are absorbed through the skin.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity:
Of moderate toxicity after short-term inhalation.
Of moderate toxicity after single ingestion.

Information on: 2-dimethylaminoethanol
Assessment of acute toxicity:
Of moderate toxicity after short-term skin contact.
Of moderate toxicity after single ingestion.
Of pronounced toxicity after short-term inhalation.

Information on: isopropyl alcohol
Assessment of acute toxicity:
High concentrations in the air may cause narcosis.
Of low toxicity after single ingestion.

Information on: acetone
Assessment of acute toxicity:
High concentrations in the air may cause narcosis.

Information on: 1,2,4-trimethylbenzene
Assessment of acute toxicity:
Of moderate toxicity after short-term inhalation.
Of low toxicity after single ingestion.

Information on: 1-methoxy-2-propanol
Assessment of acute toxicity:
High concentrations in the air may cause narcosis.
Of low toxicity after single ingestion.

Information on: 2-butoxyethanol
Assessment of acute toxicity:
Of moderate toxicity after short-term inhalation.
Of moderate toxicity after short-term skin contact.
Of moderate toxicity after single ingestion.

Information on: stoddard solvent
Assessment of acute toxicity:
Aspiration may result in chemical pneumonitis, which may be fatal.

Oral

Acute oral toxicity:
No applicable information available.

Inhalation

Acute inhalation toxicity:
No applicable information available.

Dermal

Acute dermal toxicity:
No applicable information available.

Assessment other acute effects

Assessment of STOT single:
Possible narcotic effects (drowsiness or dizziness).

Irritation / corrosion

Assessment of irritating effects:
Corrosive! Damages skin and eyes.
May cause severe damage to the eyes.

Information on: solvent naphtha, light aromatic
Assessment of irritating effects:
Skin contact causes irritation.

Information on: sulphanilic acid
Assessment of irritating effects:
Eye contact causes irritation.

Information on: 2-dimethylaminoethanol
Assessment of irritating effects:
Corrosive! Damages skin and eyes.

Information on: isopropyl alcohol
Assessment of irritating effects:
Eye contact causes irritation.

Information on: acetone
Assessment of irritating effects:
Irritating to eyes.

Information on: 1,2,4-trimethylbenzene
Assessment of irritating effects:
Irritating to eyes and skin.

Information on: 1-methoxy-2-propanol
Assessment of irritating effects:
May cause slight irritation to the eyes.

Information on: toluene
Assessment of irritating effects:
May cause slight irritation to the eyes.
Skin contact causes irritation.

Information on: 2-butoxyethanol
Assessment of irritating effects:
Eye contact causes irritation.
Skin contact causes irritation.

Information on: acetylenic diol
Assessment of irritating effects:
May cause severe damage to the eyes.

Information on: 2-methoxypropanol
Assessment of irritating effects:
May cause severe damage to the eyes.

Information on: magnesium fluoride
Assessment of irritating effects:
Eye contact causes irritation.
Skin contact causes irritation.

Information on: solvent naphtha, medium aliphatic
Assessment of irritating effects:
Skin contact causes irritation.

Information on: Phosphoric acid, mono- and di-C6-10-alkyl esters
Assessment of irritating effects:
Corrosive! Damages skin and eyes.

Sensitization
Assessment of sensitization:
Sensitization after skin contact possible.

Aspiration hazard
No applicable information available.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 2-dimethylaminoethanol
Assessment of repeated dose toxicity:
After repeated exposure the prominent effect is local irritation.
The substance may cause damage to the upper respiratory tract after repeated inhalation, as shown in animal studies.
Repeated ingestion may cause effects in the stomach which can be seen as destruction of the stomach lining.
The substance may cause damage to the eye after repeated exposure.

Information on: isopropyl alcohol
Assessment of repeated dose toxicity:
The substance may cause damage to the liver after repeated inhalation of high doses.
May affect the liver as indicated in animal studies.

Information on: acetone
Assessment of repeated dose toxicity:
The substance may cause damage to the testes after repeated ingestion of high doses, as shown in animal studies.
The substance may cause damage to the hematological system after repeated ingestion of high doses.
The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

Information on: 1,2,4-trimethylbenzene
Assessment of repeated dose toxicity:
Investigations using experimental animals show that the material can cause lung tissue changes following inhalation.

Information on: 1-methoxy-2-propanol
Assessment of repeated dose toxicity:
The substance may cause damage to the kidney after repeated inhalation.
The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies.
The substance may cause damage to the liver after repeated inhalation of high doses.
May affect the liver as indicated in animal studies.

Information on: toluene
Assessment of repeated dose toxicity:
The substance may cause damage to the central nervous system after repeated ingestion of high doses. The substance may cause deafness after repeated inhalation.

Information on: stoddard solvent
Assessment of repeated dose toxicity:
Overexposure may cause liver and kidney toxicity.

Information on: titanium dioxide (rutile)
Assessment of repeated dose toxicity:
The substance may cause increase in lung mass and lung tissue changes after repeated inhalation.

Information on: carbon black
Assessment of repeated dose toxicity:
The substance may cause increase in lung mass and lung tissue changes after repeated inhalation.
Chronic exposures have been known to produce pneumoconiosis (chronic inflammatory and fibrotic lung disease).

Information on: titanium dioxide
Assessment of repeated dose toxicity:
The substance may cause increase in lung mass and lung tissue changes after repeated inhalation.

Genetic toxicity
Assessment of mutagenicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity
Assessment of carcinogenicity:
May cause cancer.

Information on: naphtha, heavy alkylate
Assessment of carcinogenicity:
The substance caused cancer in animal studies.

Information on: petroleum naphtha, heavy
Assessment of carcinogenicity:
The substance caused cancer in animal studies.

Information on: 2-dimethylaminoethanol
Assessment of carcinogenicity:
Under certain conditions the substance can form nitrosamines. Nitrosamines are carcinogenic in animal studies.

Information on: 2-butoxyethanol
Assessment of carcinogenicity:
Indication of possible carcinogenic effect in animal tests.

Information on: titanium dioxide (rutile)
Assessment of carcinogenicity:
IARC (International Agency for Research on Cancer) has classified
this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation.

Information on: carbon black
Assessment of carcinogenicity:
In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was observed. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

Information on: titanium dioxide
Assessment of carcinogenicity:
IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation.

Reproductive toxicity
Assessment of reproduction toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Development
Assessment of teratogenicity:
Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

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
No applicable information available.

13. Disposal Considerations
Waste disposal of substance
Dispose of in accordance with national, state and local
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.

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

14. Transport Information

Reference Bill of Lading

Land transport
USDOT

Sea transport
IMDG

Air transport
IATA/ICAO

15. Regulatory Information

Federal Regulations
Registration status

TSCA, US released / listed

SARA 313

CB10K:
2-butoxyethanol 3.1%

CB12L:
2-butoxyethanol 2.2%

CB34M:
2-butoxyethanol 1.7%

CB35L:
2-butoxyethanol 1.7%

CB45L:
2-butoxyethanol 1.6%; Chromium(III) oxide 3.2%

CB47M:
2-butoxyethanol 1.7%; aluminium oxide 16.4%
CB54L:
2-butoxyethanol 1.7%

CB56L:
2-butoxyethanol 1.6%; Chromium(III) oxide 4.7%

CB57M:
2-butoxyethanol 1.7%; aluminium oxide 10.7%

CB58L:
2-butoxyethanol 1.8%

CB62L:
2-butoxyethanol 1.7%; aluminium oxide 14.9%

CB63L:
2-butoxyethanol 1.7%

CB66V:
2-butoxyethanol 1.7%; aluminium powder 14.6%

CB71V:
2-butoxyethanol 1.7%; aluminium powder (stabilised) 14.2%

CB73L:
2-butoxyethanol 1.7%; aluminium oxide 17.1%

CB74L:
2-butoxyethanol 3.8%

CB75K:
2-butoxyethanol 1.7%

CB83L:
2-butoxyethanol 1.6%

CB85L:
2-butoxyethanol 1.6%

CB87L:
2-butoxyethanol 1.7%

CB38K:
2-butoxyethanol 1.7%

CB44L:
2-butoxyethanol 1.7%

CB46K:
2-butoxyethanol 1.7%

CB58M:
2-butoxyethanol 1.8%
CB64L:
2-butoxyethanol 1.7%

SCB12L:
2-butoxyethanol 2.3%

SCB64S:
2-butoxyethanol 5.0%

SCB15L:
2-butoxyethanol 2.3%

SCB86L:
2-butoxyethanol 2.3%; aluminium powder 1.2%

SCB89S:
2-butoxyethanol 4.0%

SCB81L:
2-butoxyethanol 1.6%

SCB31L:
2-butoxyethanol 2.1%

SCB38L:
2-butoxyethanol 1.6%

SCB48L:
2-butoxyethanol 2.3%

SCB43L:
2-butoxyethanol 2.3%

SCB55L:
2-butoxyethanol 1.7%

SCB53L:
2-butoxyethanol 2.3%

SCB61L:
2-butoxyethanol 2.3%

SCB26L:
2-butoxyethanol 2.2%

HB444:
2-butoxyethanol 33.7%; sec-butyl alcohol 15.0%

HB464:
2-butoxyethanol 39.8%; sec-butyl alcohol 12.0%

HB10S:
2-butoxyethanol 26.6%; isopropyl alcohol 43%; aluminium powder 5.0%
HB994:  
2-butoxyethanol 20.8%; sec-butyl alcohol 8.2%

HB80T:  
2-butoxyethanol 4.4%; sec-butyl alcohol 2.2%

HB564:  
2-butoxyethanol 36.3%; sec-butyl alcohol 13.7%

HB994W:  
2-butoxyethanol 9.5%

HB832:  
2-butoxyethanol 38.8%; sec-butyl alcohol 15.1%

HB100:  
2-butoxyethanol 6.5%; sec-butyl alcohol 2.8%

HB861:  
2-butoxyethanol 40.2%; sec-butyl alcohol 12.0%

HB250:  
2-butoxyethanol 44.6%; sec-butyl alcohol 14.2%

HB150:  
2-butoxyethanol 28.5%; sec-butyl alcohol 11.1%; aluminium powder (stabilised) 26.0%

HB203:  
2-butoxyethanol 57.2%

HB471:  
2-butoxyethanol 37.9%

HB999:  
2-butoxyethanol 29.7%; sec-butyl alcohol 12.2%

HB130:  
2-butoxyethanol 31.0%; sec-butyl alcohol 12.5%; aluminium powder (stabilised) 21.3%

HB259:  
2-butoxyethanol 34.2%; sec-butyl alcohol 13.5%

HB110:  
2-butoxyethanol 36.4%; sec-butyl alcohol 14.1%; aluminium powder (stabilised) 14.3%

HB400:  
2-butoxyethanol 39.2%; sec-butyl alcohol 15.6%

HB88M:  
2-butoxyethanol 33.8%; sec-butyl alcohol 15.3%

HB175:
2-butoxyethanol 25.4%; sec-butyl alcohol 11.5%;
aluminium powder (stabilised) 29.7%;
1,2,4-trimethylbenzene 1.1%

HB46L:
2-butoxyethanol 31.7%; sec-butyl alcohol 14.3%

HB99M:
2-butoxyethanol 31.7%; sec-butyl alcohol 14.3%

HB880:
2-butoxyethanol 35.5%; sec-butyl alcohol 13.9%

HB560:
2-butoxyethanol 36.3%; sec-butyl alcohol 13.7%

HB860:
2-butoxyethanol 30.3%; sec-butyl alcohol 12.3%

HB409:
2-butoxyethanol 33.5%; sec-butyl alcohol 13.8%

HB88L:
2-butoxyethanol 31.7%; sec-butyl alcohol 14.3%

HB64L:
2-butoxyethanol 31.7%; sec-butyl alcohol 14.3%;
Tetrachloro-µ-hydroxy-µ-methacrylato-dichromium 1.1%

HB170:
2-butoxyethanol 30.7%; sec-butyl alcohol 12.6%;
aluminium powder (stabilised) 21.5%

HB730:
2-butoxyethanol 31.9%; sec-butyl alcohol 13.0%

HB99L:
2-butoxyethanol 31.7%; sec-butyl alcohol 14.3%;
aluminium oxide 18.1%

HB260:
2-butoxyethanol 34.7%; sec-butyl alcohol 15.0%

HB460:
2-butoxyethanol 21.1%

HB779:
2-butoxyethanol 34.5%; sec-butyl alcohol 10.9%

HB46K:
2-butoxyethanol 31.7%; sec-butyl alcohol 14.3%

HB99K:
2-butoxyethanol 31.7%; sec-butyl alcohol 14.3%
HB670:
2-butoxyethanol 30.6%; sec-butyl alcohol 12.4%

HB88N:
2-butoxyethanol 31.7%; sec-butyl alcohol 14.3%;
aluminium oxide 13.5%

HB870:
2-butoxyethanol 36.2%; sec-butyl alcohol 16.0%

HB780:
2-butoxyethanol 25.1%; sec-butyl alcohol 12.6%

HB650:
2-butoxyethanol 30.0%; sec-butyl alcohol 12.9%

HB821:
2-butoxyethanol 15.8%

HB740:
2-butoxyethanol 25.3%; sec-butyl alcohol 15.0%

HB300:
2-butoxyethanol 38.8%; sec-butyl alcohol 15.4%

HB600:
2-butoxyethanol 28.3%; copper phthalocyanine 7.1%

HB617:
2-butoxyethanol 33.6%; sec-butyl alcohol 9.1%

HB135:
2-butoxyethanol 33.2%; sec-butyl alcohol 13.4%;
aluminium powder (stabilised) 18.1%

HB610:
2-butoxyethanol 18.8%; sec-butyl alcohol 7.3%;
bismuth vanadium oxide 42.2%

HB770:
2-butoxyethanol 35.8%; sec-butyl alcohol 13.3%

HB185:
2-butoxyethanol 24.5%; sec-butyl alcohol 11.1%;
1,2,4-trimethylbenzene 1.2%;
aluminium powder 31.9%

HB855:
2-butoxyethanol 34.2%; sec-butyl alcohol 14.1%

HB619:
2-butoxyethanol 32.9%; sec-butyl alcohol 12.4%;
bismuth vanadium oxide 2.1%

HB680:
2-butoxyethanol 28.7%; sec-butyl alcohol 13.6%

HB540:
2-butoxyethanol 31.8%; sec-butyl alcohol 18.5%

HB140:
2-butoxyethanol 31.1%; sec-butyl alcohol 13.4%;
aluminium powder (stabilised) 19.5%

HB090:
2-butoxyethanol 31.9%; sec-butyl alcohol 13.6%

HB840:
2-butoxyethanol 38.6%; sec-butyl alcohol 14.1%

HB120:
2-butoxyethanol 31.2%; sec-butyl alcohol 9.8%;
aluminium powder (stabilised) 26.8%

HB990:
2-butoxyethanol 20.8%; sec-butyl alcohol 8.2%

HB961:
2-butoxyethanol 25.0%; sec-butyl alcohol 11.5%

HB200
2-butoxyethanol 21.5%

CA Prop. 65
WARNING: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

NFPA Hazard codes
Health: 3       Fire: 3        Reactivity: 0       Special:

HMIS III rating
Health: 3¤      Flammability: 3       Physical hazard: 0

16. Other information

SDS prepared by: BASF NA Product Regulations

SDS prepared on 08.07.2016

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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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