1. Product and company identification

Product identifier

Trade name: OOA Beta Prepreg

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

General use: Prepreg material, impregnated with: benzoxazine resin
For industrial purposes only.

Details of the supplier of the safety data sheet

Company name:

Airtech International, Inc.
5700 Skylab Road
Huntington Beach, CA 92647
E-mail: airtech@airtechintl.com
Website: www.airtechonline.com
Telephone: +1 714.899.8100
Dept. responsible for information:
Telephone: +1 714.899.8100
E-mail: airtech@airtechintl.com

Airtech Europe Sarl
Zone industrielle Haneboesch
L–4562 Differdange
Luxembourg
Website: www.airtech.lu
Telephone: +352 582.282
Dept. responsible for information:
Telephone: +352 582.282
E-mail: sales@airtech.lu

Tygavac Advanced Materials Ltd.
The Causeway
Broadway Business Park
Chadderton, Oldham
OL9 9XD United Kingdom
Website: www.tygavac.co.uk
Telephone: +44 161.947.1610
Dept. responsible for information:
Telephone: +44 161.947.1610
E-mail: sales@tygavac.co.uk

Airtech Asia Ltd.
No. 161 of Anyuan Rd
Chagugang County
Wuqing District
301721, Tianjin, P.R. China
Website: www.airtech.asia
Telephone: +86 22 8862 9800
Telefax:: +86 22 8862 9900
Dept. responsible for information:
Telephone: +86 22 8862 9800
E-mail: airtech.asia@airtechasia.com.cn

Emergency phone number

CHEMTREC EMERGENCY PHONE:
Within USA/Canada: 1-(800)424-9300
International: +1 703-741-5970

2. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: solid
Odor: No data available

Classification: Skin Irritation - Category 2; Eye Damage - Category 1; Sensitization - skin - Category 1; Carcinogenicity - Category 2; Reproductive toxicant - Category 2; Specific Target Organ Toxicity (Repeated Exposure) - Category 2;

Hazard symbols:

Signal word: **Danger**

Hazard statements:

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Suspected of causing cancer.
Suspected of damaging the unborn child.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

Obtain special instructions before use.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands and face thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water/soap.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Immediately call a POISON CENTER/doctor.
Specific treatment (see ' First aid ' on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization:

Carbon fabric impregnated with a benzoxazine resin system

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 2386-87-0	7-Oxabicyclo[4.1.0] hept-3-ylmethyl-7-oxabicyclo[4.1.0] heptane-3-carboxylate	20 - 40 %	Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1.
CAS 154505-70-1	Benzoxazine	20 - 25 %	Aquatic toxicity - chronic - Category 3.
CAS 2664-63-3	4,4'-thiodiphenol	< 5 %	Skin Corrosion - Category 1B. Eye Damage - Category 1.
CAS 108-88-3	Toluene	< 2 %	Flammable Liquid - Category 2. Skin Irritation - Category 2. Reproductive toxicant - Category 2. Specific Target Organ Toxicity (Single Exposure) - Category 3. Specific Target Organ Toxicity (Repeated Exposure) - Category 2. Aspiration Toxicity - Category 1.
CAS 62-53-3	Aniline	< 1 %	Acute Toxicity - oral - Category 3. Acute Toxicity - dermal - Category 3. Acute Toxicity - inhalative - Category 3. Eye Damage - Category 1. Sensitization - skin - Category 1. Germ cell mutagenicity - Category 2. Carcinogenicity - Category 2. Specific Target Organ Toxicity (Repeated Exposure) - Category 1. Aquatic toxicity - acute - Category 1.

Additional information: Contains copolymer.
Monomers: Methyl methacrylate, Styrene, 1,3-Butadiene, Acrylonitrile
The maximum workplace exposure limits are, where necessary, listed in section 8.

4. First aid measures

In case of inhalation: Move victim to fresh air; if necessary, provide artificial respiration or oxygen. Consult physician.

Following skin contact: Wash with generous amount of water and soap. Take off contaminated clothing and wash it before reuse.
In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if any. Afterwards, consult an ophthalmologist immediately.

After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting. Seek medical attention.

Most important symptoms/effects, acute and delayed

Causes serious eye damage. Causes skin irritation. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

> 199.4 °F

Auto-ignition temperature:

No data available

Suitable extinguishing media:

Foam, dry chemical powder, water spray jet, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet.

Specific hazards arising from the chemical

Emits toxic fumes under fire conditions.
In case of fire may be liberated: Nitrogen oxides (NOx), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Cool endangered containers with water spray and, if possible, remove from danger zone. Use a water fog to control vapors. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions: Avoid exposure. Do not inhale vapors or dust particles. Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Wear appropriate protective equipment. Provide fresh air. Keep unprotected people away.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains. If necessary notify appropriate authorities.

Methods for clean-up: Avoid generation of dust. Take up mechanically, placing in appropriate containers for disposal. Final cleaning.

7. Handling and storage

Handling

Advices on safe handling: Avoid exposure - obtain special instructions before use. Provide adequate ventilation, and local exhaust as needed.
Do not inhale vapors or dust particles. Avoid contact with skin and eyes. Avoid generation of dust. Avoid rubbing. Fibers may penetrate deeper into the skin by rubbing. Remove fibers and/or dust from working clothes using a vacuum cleaner.
Wear appropriate protective equipment.
When using do not eat, drink or smoke.
Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse. Safety shower and eye wash station should be easily accessible to the work area.

Precautions against fire and explosion:

Usual measures for fire prevention.

Storage

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place. Store in a dry place.
Keep away from heat sources, sparks and open flames.
Protect from: UV-radiation/sunlight

Hints on joint storage: Do not store together with strong oxidizing agents, strong acids or strong bases.
Keep away from food and drinks.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
108-88-3	Toluene	USA: ACGIH: TWA	75 mg/m³; 20 ppm (A4, BEI)
		USA: NIOSH: STEL	560 mg/m³; 150 ppm
		USA: NIOSH: TWA	375 mg/m³; 100 ppm
		USA: OSHA: Ceiling	300 ppm (Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift: 500 ppm 10 minutes)
		USA: OSHA: TWA	200 ppm (Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift: 500 ppm 10 minutes)
62-53-3	Aniline	USA: ACGIH: TWA	7.6 mg/m³; 2 ppm (may be absorbed through the skin)
		USA: OSHA: TWA	19 mg/m³; 5 ppm (may be absorbed through the skin)
80-62-6	Methyl methacrylate	USA: ACGIH: STEL	410 mg/m³; 100 ppm
		USA: ACGIH: TWA	205 mg/m³; 50 ppm
		USA: NIOSH: TWA	410 mg/m³; 100 ppm
		USA: OSHA: TWA	410 mg/m³; 100 ppm
100-42-5	Styrene	USA: ACGIH: STEL	170 mg/m³; 40 ppm
		USA: ACGIH: TWA	85 mg/m³; 20 ppm
		USA: NIOSH: STEL	425 mg/m³; 100 ppm
		USA: NIOSH: TWA	215 mg/m³; 50 ppm
		USA: OSHA: Ceiling	200 ppm (Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift: 600 ppm 5 mins. in any 3 hrs.)
		USA: OSHA: TWA	100 ppm (Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift: 600 ppm 5 mins. in any 3 hrs.)
106-99-0	1,3-Butadiene	USA: ACGIH: TWA	4.4 mg/m³; 2 ppm
		USA: OSHA: STEL	11 mg/m³; 5 ppm
		USA: OSHA: TWA	2.21 mg/m³; 1 ppm
107-13-1	Acrylonitrile	USA: ACGIH: TWA	4.3 mg/m³; 2 ppm (may be absorbed through the skin)
		USA: NIOSH: Ceiling	10 ppm (may be absorbed through the skin)
		USA: NIOSH: TWA	1 ppm (may be absorbed through the skin)
		USA: OSHA: Ceiling	10 ppm (may be absorbed through the skin)
		USA: OSHA: TWA	2 ppm (may be absorbed through the skin)

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
108-88-3	Toluene	USA: ACGIH-BEI, blood	0.02 mg/L	Toluene in blood	Prior to last shift of workweek
		USA: ACGIH-BEI, urine	0.03 mg/L	Toluene in urine	end of exposure or end of shift
		USA: ACGIH-BEI, urine	0.3 mg/g creatinine	o-Cresol in urine	end of exposure or end of shift
62-53-3	Aniline	USA: ACGIH-BEI, urine	50 mg/L	p-Aminophenol	end of exposure or end of shift
100-42-5	Styrene	USA: ACGIH-BEI, urine	40 µg/L	Styrene in urine	end of exposure or end of shift
		USA: ACGIH-BEI, urine	400 mg/g creatinine	Mandelic acid + Phenylglyoxylic acid	end of exposure or end of shift
106-99-0	1,3-Butadiene	USA: ACGIH-BEI, blood	2.5 pmol/g Hb	Mixture of N-1 and N2-(hydroxybutenyl)valine hemoglobin (Hb) adducts	No restriction
		USA: ACGIH-BEI, urine	2.5 mg/L	1,2 Dihydroxy-4-(N-acetylcysteinyl) -butane	end of exposure or end of shift

Engineering controls

Provide adequate ventilation. In case of development of vapors or dust: The use of local exhaust ventilation is recommended.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Safety glasses for nomal handling, and sealed goggles for handling material during heated processing or opening packages after material has been in closed storage. PPE to be in accordance with OSHA 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Wear suitable protective clothing.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: Nitrile rubber, Butyl caoutchouc (butyl rubber)
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.
For mechanical processing: Dust mask
When vapors form: Use combination filter type A-P according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General hygiene considerations:

Avoid exposure - obtain special instructions before use. Do not inhale vapors or dust particles.
Avoid rubbing. Fibers may penetrate deeper into the skin by rubbing.
Remove fibers and/or dust from working clothes using a vacuum cleaner. Avoid contact with skin, eyes, and clothing. Avoid generation of dust. When using do not eat, drink or smoke. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse. Safety shower and eye wash station should be easily accessible to the work area.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: solid
Odor:	No data available
Odor threshold:	No data available
pH value:	not applicable
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	> 199.4 °F
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Additional information:	No data available

10. Stability and reactivity

Reactivity: refer to possibility of hazardous reactions

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

Conditions to avoid: Keep away from heat. Avoid generation of dust.
Protect from: UV-radiation/sunlight

Incompatible materials: Strong oxidizing agents, strong acids, strong bases.

Hazardous decomposition products:
Sulphur oxides (SOx), nitrogen oxides (NOx), carbon monoxide and carbon dioxide.
Toxic fumes may be emitted at elevated temperatures.

Thermal decomposition: No data available

11. Toxicological information

Toxicological tests

Toxicological effects:

The statements are derived from the properties of the single components. No toxicological data is available for the product as such.
Acute toxicity (oral): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE > 5000 mg/kg.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE > 5000 mg/kg.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE > 40 mg/L.

Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.

Serious eye damage/irritation: Eye Damage - Category 1 = Causes serious eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Sensitization - skin - Category 1 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Carcinogenicity - Category 2 = Suspected of causing cancer.

Reproductive toxicity: Reproductive toxicant -
Category 2 = Suspected of damaging the unborn child.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Specific Target Organ Toxicity (Repeated Exposure) -
Category 2 = May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Lack of data.

Other information:

Information about Toluene:
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed

Information about Aniline:
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed

Information about Methyl methacrylate:
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed

Information about Styrene:
Carcinogen Status:
IARC Rating: Group 2B
OSHA Carcinogen: not listed
NTP Rating: listed

Information about 1,3-Butadiene:
Carcinogen Status:
IARC Rating: Group 1
OSHA Carcinogen: listed
NTP Rating: listed

Information about Acrylonitrile:
Carcinogen Status:
IARC Rating: Group 2B
OSHA Carcinogen: listed
NTP Rating: listed

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted
Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - U.S. Federal Regulations

Toluene:

TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
Clean Air Act:
Hazardous Air Pollutants: Code XOV
SOCMI Chemical: yes
Clean Water Act:
Hazardous Substances: RQ 1000 lbs.
Priority Pollutant: yes
Other Environmental Laws:
CERCLA: RQ 1000 lbs.
RCRA Hazardous Wastes: Code U220
RCRA Groundwater Monitoring: Methods 8020, 8240 / PQL 2, 5
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0619

Aniline:

TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
Clean Air Act:
Hazardous Air Pollutants: Code XOV
SOCMI Chemical: yes
Clean Water Act:
Hazardous Substances: RQ 5000 lbs.
Other Environmental Laws:
CERCLA: RQ 5000 lbs.
RCRA Hazardous Wastes: Code U012
RCRA Groundwater Monitoring: Methods 8270 / PQL 10
SARA Title III Section 302, EHS: TPQ 1000 lbs. / RQ 5000 lbs.
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0033

Methyl methacrylate:

TSCA Inventory: listed; EPA flags T
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
Clean Air Act:
Hazardous Air Pollutants: Code XOV
SOCMI Chemical: yes
Clean Water Act:
Hazardous Substances: RQ 1000 lbs.
Other Environmental Laws:
CERCLA: RQ 1000 lbs.
RCRA Hazardous Wastes: Code U162
RCRA Groundwater Monitoring: Methods 8015, 8240 / PQL 2, 5
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0426

Styrene:

TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 2B
OSHA Carcinogen: not listed
NTP Rating: listed
Clean Air Act:
Hazardous Air Pollutants: Code XOV
SOCMI Chemical: yes
Clean Water Act:
Hazardous Substances: RQ 1000 lbs.
Other Environmental Laws:
CERCLA: RQ 1000 lbs.
RCRA Groundwater Monitoring: Methods 8020, 8240 / PQL 1, 5
SARA Title III Section 313, Toxic Release: Conc. 0.1% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0571

1,3-Butadiene:

TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 1
OSHA Carcinogen: listed
NTP Rating: listed
Clean Air Act:
Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = f
Hazardous Air Pollutants: Code XOV
SOCMI Chemical: yes
Other Environmental Laws:
CERCLA: RQ 10 lbs.
SARA Title III Section 313, Toxic Release: Conc. 0.1% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0067

Acrylonitrile:

TSCA Inventory: listed; EPA flags T
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 2B
OSHA Carcinogen: listed
NTP Rating: listed
Clean Air Act:
Accidental Release Prevention: Threshold 20000 lbs. / Basis for listing = b
Hazardous Air Pollutants: Code XOV
SOCMI Chemical: yes
Clean Water Act:
Hazardous Substances: RQ 100 lbs.
Priority Pollutant: yes
Other Environmental Laws:
CERCLA: RQ 100 lbs.
RCRA Hazardous Wastes: Code U009
RCRA Groundwater Monitoring: Methods 8030, 8240 / PQL 5, 5
SARA Title III Section 302, EHS: TPQ 10000 lbs. / RQ 100 lbs.
SARA Title III Section 313, Toxic Release: Conc. 0.1% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0014

National regulations - U.S. State Regulations

Toluene:	Delaware Air Quality Management List: DRQ: 1000 - RQ State: Federal Regulations Apply Idaho Air Pollutant List: Title 585: AAC: 18.75 - EL: 25 - OEL: 375 - Title 586: - Maine Hazardous Air Pollutants: Me 2005: HAP - Hap Rpt: 2000 Massachusetts Haz. Substance codes: 2,4,5,6 F7 F8 F9 Michigan Critical Material: Note: - - CMR: 32 - Parameter: 00108-88-3 - Annual Usage Parameter: 100 Minnesota Haz. Substance: Codes: ANO - Ratings: 8.64 - Status: Air Pollutant Title III. TRI. Water Pollutant New Jersey RTK Hazardous Substance: DOT: 1294 - Sub No.: 1866 - TPQ: - New York List of Hazardous Substances: RQ-Air: 1000 - RQ-Land: 1 - Note: No Note Associated with this chemical. Pennsylvania Haz. Substance code: E Washington Air Contaminant: TWA: 100 ppm - 375 mg - STEL: 150 ppm - 560 mg California Proposition 65: developmental
Aniline:	California Proposition 65: cancer
Methyl methacrylate:	Delaware Air Quality Management List: DRQ: 1000 - RQ State: Federal Regulations Apply Idaho Air Pollutant List: Title 585; AAC: 20,5 - EL: 27,3 - OEL: 410 - Title 586: - Massachusetts Haz. Substance Codes: 2,4,5,6 F8 F9 Main: HAP - 2000 Minnesota Haz. Substance: Codes: AO - Ratings: 3.79 - Status: Air Pollutant. Title III. TRI. New Jersey RTK Hazardous Substance: DOT: 1247 - Sub No.: 1277 New York List of Hazardous Substances: RQ-Air: 1000 - RQ-Land: 1 No Note Associated with this chemical Pennsylvania Haz. Substance Code: E Washington Air Contaminant: TWA: 100 ppm = 410 mg
Styrene:	Delaware Air Quality Management List: DRQ: 1000 - RQ State: Federal Regulations Apply Idaho Air Pollutant List: Title 585 -- AAC: 1 -- EL: 6.67 -- WEL: - Title 586 - Maine Hazardous Air Pollutants: Me 2005: HAP - Hap Rpt: 2000 Massachusetts Haz. Substance codes: 1,2,4,5,6,9 *E*C* F7 F8 Michigan Critical Material: Note: 2 - CMR#: 27 - Parameter#: 00100-42-5 - Annual Usage Parameter: 100 Minnesota Haz. Substance: Codes: ANO -- Ratings: 9.63 -- Status: Air Pollutant. Carcinogen. Title III. TRI. New Jersey RTK Hazardous Substance: DOT 2055 - Sub No.: 1748 - TPQ: - New York List of Hazardous Substances: RQ -- Air: 1000 - RQ -- Land: 1 - Note: No Note Associated with this chemical. Pennsylvania Haz. Substance code: E Washington Air Contaminant: TWA: 50 ppm / 215 mg -- STEL: 100 ppm / 425 mg California Proposition 65: cancer

1,3-Butadiene: California Proposition 65: cancer

Acrylonitrile: California Proposition 65: cancer

National regulations - Great Britain

Hazchem-Code: -

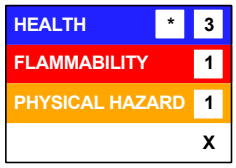
16. Other information

Text for labeling: Contains 20 - 40 % 7-Oxabicyclo[4.1.0]hept-3-ylmethyl-7-oxabicyclo[4.1.0]heptane-3-carboxylate, 20 - 25 % Benzoxazine, < 5 % 4,4'-thiodiphenol, < 2 % Toluene, < 1 % Aniline. Safety data sheet available on request.

Hazard rating systems: NFPA Hazard Rating:

Health: 3 (Serious)
Fire: 1 (Slight)
Reactivity: 1 (Slight)

HMIS Version III Rating:
Health: 3 (Serious) - Chronic effects
Flammability: 1 (Slight)
Physical Hazard: 1 (Slight)
Personal Protection: X = Consult your supervisor



Literature: - IARC Vol 81, 23.08.2002 - Man-made Vitreous Fibers

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

This data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, and which additional precautions may be necessary. All health and safety information contained in this data sheet should be provided to your employees and customers. It is your responsibility to develop appropriate workplace instructions and training programs for employees.

As the conditions and methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. All statements or suggestions are made without warranty, expressed or implied, regarding accuracy of information, the hazards connected with the use of the product or the results to be obtained from the use thereof.