AZ 5214 E Photoresist 0005

Substance No.: SXR081505 Revision Date 17.04.2015 Print Date 13.08.2015
Version 1.0 DE-GHS

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : AZ 5214 E Photoresist 0005

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

Use of the Substance/Mixture : Electronic industry
Intermediate for electronic industry

1.3 Details of the supplier of the safety data sheet

Company :

E-mail address of person responsible for the SDS : PSE@merckgroup.com

1.4 Emergency telephone number

Emergency telephone number :

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

GHS Classification

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

2.2 Label elements

GHS-Labelling

Symbol(s) :

Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.

Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open

	flames/hot surfaces. - No smoking.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:	
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Storage:	
P403 + P235	Store in a well-ventilated place. Keep cool.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical characterization

Preparation of polymer resins and diazo compounds in organic solvents (halogenfree).

Hazardous components

3,5-Bis(hydroxymethyl)-p-cresol

CAS-No.	:	91-04-3
EC-No.	:	202-036-4
Classification (REGULATION (EC) No 1272/2008)	:	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335
Concentration [%]	:	>= 1 - < 3

2-methoxypropyl acetate

CAS-No.	:	70657-70-4
EC-No.	:	274-724-2
Classification (REGULATION (EC) No 1272/2008)	:	Flam. Liq. 3; H226 Repr. 1B; H360D STOT SE 3; H335
Concentration [%]	:	< 0,3

WEL substance :

2-methoxy-1-methylethyl acetate

CAS-No.	:	108-65-6
EC-No.	:	203-603-9

Registration number	:	01-2119475791-29-xxxx
Classification (REGULATION (EC) No 1272/2008)	:	Flam. Liq. 3; H226
Concentration [%]	:	>= 50 - <= 100

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	Take off all contaminated clothing immediately. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	:	Wash off immediately with plenty of water. If skin irritation persists, call a physician.
Eye contact	:	Immediately flush eye(s) with plenty of water. Protect unharmed eye. Remove contact lenses.
Ingestion	:	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	:	Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Water spray jet Foam Dry powder Carbon dioxide (CO2)

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)

Nitrous gases (NOx)
Sulphur dioxide (SO2)

5.3 Advice for firefighters

Special protective equipment for firefighters	:	Well closed full protective clothing (coat and pants) including helmet. In the event of fire, wear self-contained breathing apparatus.
Further information	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

6.4 Reference to other sections

Additional advice	:	Information regarding Waste Disposal, see chapter 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	Provide sufficient air exchange and/or exhaust in work rooms.
Advice on protection against fire and explosion	:	Keep away from sources of ignition

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	:	Store in original container.

Further information on storage conditions	:	Keep container tightly closed in a dry and well-ventilated place. Protect against light.
Advice on common storage	:	Keep away from food and drink.

7.3 Specific end use(s)

: No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Components	:	**2-methoxy-1-methylethyl acetate**
CAS-No.	:	108-65-6
Value	:	AGW
Control parameters	:	50 ppm 270 mg/m3
Category short-time exposure	:	1;(I)
Update	:	2006-01-01
Basis	:	DE TRGS 900
Further information	:	DFG: Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).European Union (The EU has established a limit value: deviations in value and peak limit are possible)When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child

Components	:	**2-methoxypropyl acetate**
CAS-No.	:	70657-70-4
Value	:	AGW
Control parameters	:	5 ppm 28 mg/m3
Category short-time exposure	:	8;(II)
Update	:	2006-01-01
Basis	:	DE TRGS 900
Further information	:	DFG: Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).Skin absorptionWhen there is compliance with the OEL and biological tolerance values, harm to the unborn child can not be excluded

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

2-methoxy-1-methylethyl	:	End Use: Workers

acetate	Exposure routes: Skin contact Potential health effects: Chronic effects Value: 54,8 mg/kg End Use: Workers Exposure routes: Inhalation Potential health effects: Chronic effects Value: 33 mg/m3 End Use: Workers Exposure routes: Ingestion Potential health effects: Chronic effects 1,67 mg/kg End Use: Consumers Exposure routes: Skin contact Potential health effects: Chronic effects 153,5 mg/kg End Use: Consumers Exposure routes: Inhalation Potential health effects: Chronic effects 275 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

2-methoxy-1-methylethyl acetate	:	Fresh water Value: 0,635 mg/l Marine water Value: 0,0635 mg/l Fresh water sediment Value: 3,29 mg/kg Marine sediment Value: 0,329 mg/kg Soil Value: 0,29 mg/kg

8.2 Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection	:	Use respiratory protection in case of insufficient exhaust

ventilation or prolonged exposure
Recommended Filter type:
ABEK-filter

Hand protection	:	Break through time: > 10 min Glove thickness: > 0,4 mm For short-term exposure (splash protection): Nitrile rubber gloves. Remarks: These types of protective gloves are offered by various manufacturers. Please note the manufacturers´ detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.
Eye protection	:	Tightly fitting safety goggles
Skin and body protection	:	protective clothing
Hygiene measures	:	When using do not eat, drink or smoke. Keep away from food and drink. Wash hands before breaks and at the end of workday. Use barrier skin cream.
Protective measures	:	Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Observe the usual precautions for handling chemicals.

Environmental exposure controls

General advice	:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form	:	Liquid
Colour	:	yellow to red
Odour	:	ester-like

Safety data

Flash point	:	approx. 42 °C
Ignition temperature	:	not determined
Thermal decomposition	:	not determined

Lower explosion limit	:	not determined
Upper explosion limit	:	not determined
Flammability (solid, gas)	:	not determined
Oxidizing properties	:	not determined
Auto-ignition temperature	:	not determined
Burning number	:	not determined
pH	:	Not applicable
Freezing point	:	not determined
Starts to boil	:	from 145 °C
Sublimation point	:	not determined
Vapour pressure	:	approx. 5 hPa, 20 °C
Density	:	approx. 1 g/cm3, 20 °C
Water solubility	:	The solvent is partially water soluble but the product forms two layers.
Partition coefficient: n-octanol/water	:	not determined
Solubility in other solvents	:	not determined
Viscosity, dynamic	:	22 - 26 mPas, 20 °C
Viscosity, kinematic	:	not determined
Relative vapour density	:	not determined
Corrosive in contact with metals	:	not determined
Evaporation rate	:	not determined

9.2 Other information

Further information	:	Remarks: No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Incompatible with oxidizing materials.

10.4 Conditions to avoid

Conditions to avoid	:	Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid	:	Oxidizing agents Strong acids Bases

10.6 Hazardous decomposition products

Hazardous decomposition products	:	No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product

Acute oral toxicity	:	no data available
Acute inhalation toxicity	:	no data available
Acute dermal toxicity	:	no data available
Skin corrosion/irritation	:	no data available
Serious eye damage/eye irritation	:	no data available
Respiratory or skin sensitisation	:	no data available
Further information	:	no data available

Components:

3,5-Bis(hydroxymethyl)-p-cresol :

Skin corrosion/irritation	:	Result: Irritating to skin.
Serious eye damage/eye irritation	:	Result: Irritating to eyes.
STOT - single exposure	:	Assessment: May cause respiratory irritation.

2-methoxypropyl acetate :

Reproductive toxicity	:	May damage the unborn child.

2-methoxy-1-methylethyl acetate :

Acute oral toxicity	:	LD50: > 8.532 mg/kg, rat(female)
Acute inhalation toxicity	:	LC50: > 10,8 mg/l, 6 h, rat,
Acute dermal toxicity	:	LD50: > 5.000 mg/kg, rabbit

SECTION 12: Ecological information

12.1 Toxicity

Components:

2-methoxy-1-methylethyl acetate:

Toxicity to fish	:	LC50 (Oryzias latipes (Orange-red killifish)): 100 mg/l Exposure time: 96 h Test Type: semi-static test
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 373 mg/l Exposure time: 48 h

12.2 Persistence and degradability

Components:

2-methoxy-1-methylethyl acetate :

Biodegradability	:	Result: Readily biodegradable. Biodegradation: 99 % Exposure time: 28 d

12.3 Bioaccumulative potential

Components:

2-methoxy-1-methylethyl acetate :

Bioaccumulation	:	Remarks: Bioaccumulation is unlikely.
Partition coefficient: n-octanol/water	:	log Pow: 1,2

12.4 Mobility in soil

Components:

2-methoxy-1-methylethyl acetate :

Distribution among environmental compartments	:	Koc: 1,7Remarks: Highly mobile in soils

12.5 Results of PBT and vPvB assessment

Components:

2-methoxy-1-methylethyl acetate :

Assessment	:	The substance does not fulfill the PBT criteria.. The substance does not fulfill the vPvB criteria..

12.6 Other adverse effects

Product:

Additional ecological information	:	no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	Dispose of contents/ container to an approved waste disposal plant.
Contaminated packaging	:	Dispose of as unused product.

SECTION 14: Transport information

ADR

UN number	:	1993
Description of the goods	:	FLAMMABLE LIQUID, N.O.S. (2-Methoxy-1-methylethyl acetate)
Class	:	3
Packing group	:	III
Classification Code	:	F1
Labels	:	3
Environmentally hazardous	:	no

IATA

UN number	:	1993
Description of the goods	:	Flammable liquid, n.o.s. (2-Methoxy-1-methylethyl acetate)
Class	:	3
Packing group	:	III
Labels	:	3
Environmentally hazardous	:	no

IMDG

UN number	:	1993
Description of the goods	:	FLAMMABLE LIQUID, N.O.S. (2-Methoxy-1-methylethyl acetate)
Class	:	3
Packing group	:	III
Labels	:	3
EmS Number 1	:	F-E
EmS Number 2	:	S-E
Marine pollutant	:	no

RID

UN number	:	1993
Description of the goods	:	FLAMMABLE LIQUID, N.O.S. (2-Methoxy-1-methylethyl acetate)
Class	:	3

Packing group	:	III
Classification Code	:	F1
Labels	:	3
Environmentally hazardous	:	no

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	:	Neither banned nor restricted
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	:	108-65-6
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	Neither banned nor restricted
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
REACH - List of substances subject to authorisation (Annex XIV)	:	Neither banned nor restricted
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Neither banned nor restricted
Regulation (EC) No 850/2004 on persistent organic pollutants	:	Neither banned nor restricted
Water contaminating class (Germany)	:	2 water polluting
Other regulations	:	Observe the provisions of The Water Act for installations dealing with substances hazardous to water

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for a mixture.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H360D	May damage the unborn child.

Decimal notation: "Thousands" places are identified with a dot (example: 2.000 mg/kg means "two thousand mg/kg"). Decimal places are identified with a comma (example: 1,35 g/cm3)

Further information

Further information : Observe national and local legal requirements

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

MATERIAL SAFETY DATA SHEET

AZ 5214 E Photoresist IN (US)

Substance key: BBG70D9
Version : 1 - 2 / USA

Revision Date: 10/08/2002
Date of printing :07/15/2004

Section 01 - Product Information

Identification of the company:	Clariant Corporation 70 Meister Avenue Somerville, NJ 08876 Telephone No.: +1 (800) 515-4164 **Information of the substance/preparation:** Electronic Materials Product Safety 1-908-429-3562 **Emergency tel. number:** +1 800-424-9300 CHEMTREC

Trade name: **AZ 5214 E Photoresist IN (US)**
Material number: 105659

Section 02 - Composition information on hazardous ingredients

OSHA hazardous ingredients:

Component	CAS-no. (Trade secret no.)	Concentration
1-Methoxy-2-propanol acetate	108-65-6	73 %

Section 03 - Hazards identification

Emergency overview:	OSHA combustible liquid; DOT flammable liquid. Amber-red liquid with characteristic odor. Irritating on contact or inhalation. Partially dissolves in water leaving a floating viscous mass.

Expected Route of entry:

Inhalation:	yes
Skin contact:	yes
Eye contact:	yes
Ingestion:	no
Skin absorption:	yes

Health effects of exposure:

Eye: Causes eye irritation. Skin: Causes skin irritation. Ingestion: May be harmful if swallowed. Inhalation: Single exposure unlikely to be hazardous. High vapor concentration causes irritation to the nose, throat, and lungs. Systemic Effects: No hazard in normal industrial use. Reproductive & birth defects: Exposures having no adverse effect on the mother should have no effect on the fetus.

1-Methoxy-2-propanol acetate (108-65-6)

1-Methoxy-2-propanol acetate (PGMEA) can cause skin, eye, and respiratory irritation. Extreme or prolonged exposure may cause gastric and central nervous system effects. Long term, high level exposure to PGMEA has resulted in adverse effects to the livers and kidneys of experimental animals. PGMEA is readily absorbed through intact skin.

Known effects on other illnesses:	Preexisting skin, eye, and respiratory conditions may be aggravated.
Listed carcinogen:	IARC: NO NTP: NO OSHA: NO

HMIS:

Health: 2 Flammability: 2 Reactivity: 0 Personal protection: X

Section 04 - First aid measures

After inhalation:

Remove victim to fresh air.
Consult physician if irritation occurs.

After contact with skin:

Immediately remove contaminated clothing. Flush affected area thoroughly with water. After flushing with water, remove residue with soap and water. If necessary, clean area with a cloth or paper towel wetted with acetone. Assure adequate ventilation. Dispose of cloth/towel in a suitable receptacle.
Consult physician if exposure is extensive or if irritation occurs.

After contact with eyes:

Flush thoroughly with water for 15 minutes. Get immediate medical help.

After ingestion:

If person is conscious, give water or milk to dilute stomach contents.
Never give anything by mouth to an unconscious person.
Consult physician.

Section 05 - Fire fighting measures

Flashpoint: 112 °F
Method: closed cup

Decomposition products: Thermal decomposition may generate carbon dioxide, carbon monoxide, and oxides of nitrogen and sulfur.

Extinguishing media: Carbon dioxide, water, alcohol foam, dry chemical.

Fire-fighting further advice:

Use self-contained breathing apparatus and full protective clothing.
Use water spray to cool drums in fire area.

Hazards during fire-fighting:

Solvent vapors.
Emits toxic fumes under fire conditions.

Section 06 - Accidental release measures

Steps to be taken in case of spill or leak:

Wearing appropriate personal protective equipment, contain spill, ventilate area of spill or leak, remove all sparking devices or ignition sources, collect onto inert absorbent, and place in a suitable container.

Section 07 - Handling and storage

Advice on safe handling:

Keep away from heat and flame.
Avoid breathing vapors and contact with skin, eyes, and clothing.
Use only with adequate ventilation and proper protective eyewear, gloves, and clothing.
Wash thoroughly after handling.
Keep container closed.

Further info on storage conditions:

Store at appropriate temperature. See label for details.
Store in original container.
Transport and store under dry conditions tightly closed and protected from heat and light.
Pressure may build up slowly in closed containers due to gradual decomposition. This is accelerated by heat and light. May liberate combustible solvent vapors.

Section 08 - Exposure controls / personal protection

Occupational exposure limits:

Component	CAS number:	Regulatory list	Type of value	Value 1	Value 2
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	US WEEL Guides Data	Time Weighted Average (TWA):	100 ppm	541 mg/m3

Advice on system design: Use local exhaust ventilation.

Section 09 - Physical and chemical properties

Form:	Liquid
Color:	Clear,amber-red
Odor:	Strong, characteristic odor.
Solubility in water:	The solvent is water soluble but the product forms two layers.
Density:	1.038 g/cm3
Starts to boil :	273.2 °F
Evaporation number:	app. Reference substance: n-butyl acetate
Vapor pressure:	2.6 Torr
Viscosity / (dynamic):	24 mPa.s
Loss on drying:	73 %

Section 10 - Stability and reactivity

Chemical stability: Stable.

Hazardous Polymerization: Will not occur.

Conditions to avoid: Avoid contact with oxidizing agents.
Avoid contact with strong acids.
Avoid contact with alkaline materials.

Section 11 - Toxicological information

Product information:

Acute oral toxicity: Based on data from components this material is considered, not harmful (rat acute oral LD50 >5000 mg/kg).

Acute inhalation toxicity: Based on data from components, this material is considered, not harmful (LC50 greater than 10,000 ppm or 200 mg/L), Based on component data, material is considered irritating to the respiratory tract.

Component information:

1-Methoxy-2-propanol acetate (108-65-6)

Acute oral toxicity: LD50 8,500 mg/kg (rat)

Acute oral toxicity: LD50 10,000 mg/kg (rat)

Acute inhalation toxicity: LC50 >4350 ppm (rat)

Acute dermal toxicity: LD50 >5.0 g/kg (rabbit)

Section 12 - Ecological information

Component information:

1-Methoxy-2-propanol acetate (108-65-6)

Fish toxicity: 161 mg/l (Fathead minnow)

Daphnia toxicity: 400 mg/l (Daphnia magna)

Section 13 - Disposal considerations

Waste disposal information:

Consult local, state, and federal regulations.
For disposal, this material is a flammable hazardous waste under RCRA.

Section 14 - Transport information

DOT Regulation:

Proper shipping name: Combustible liquid, n.o.s.

Hazard class:	C
Packing group:	III
UN/NA-number:	NA 1993
Primary hazard class:	NON
Technical Name:	1-Methoxy-2-propanol acetate
Emergency Response Guide:	129

IATA

Proper shipping name:	Flammable liquid, n.o.s.
Class:	3
Packing group:	III
UN/ID number:	UN 1993
Primary risk:	3
Hazard inducer(s):	1-Methoxy-2-propanol acetate

IMDG

Proper shipping name:	Flammable liquid, n.o.s.
Class:	3
Packing group:	III
UN no.:	UN 1993
Primary risk:	3
Hazard inducer(s):	1-Methoxy-2-propanol acetate
EmS:	3-07

Further information:

Not regulated for surface transportation in non-bulk containers under 119 gallons.

Section 15 - Regulatory information

TSCA Status:

All components of this product are listed on the TSCA Inventory.

SARA 313 information:

This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

Volatile organic compounds VOC:

Content VOC (g/l):	740 g/l
Method:	calculated

Section 16 - Other information

Label information:

CAUTION!

COMBUSTIBLE LIQUID AND VAPOR HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN Contains material that, based on animal data, can cause skin, eye, and respiratory irritation. Prolonged or repeated overexposure may cause gastric and central nervous system effects.

Keep away from heat and flame. Avoid breathing vapor. Avoid contact with skin, eyes, and clothing. Use only with adequate ventilation, and proper protective eyewear, gloves, and clothing. Wash thoroughly after handling. Keep container closed.

In case of contact, flush eyes with plenty of water for 15 minutes. Get medical attention immediately. Flush affected skin areas with water, and wash with mild soap and water. Remove contaminated clothing. If INHALED, remove individual to fresh air. If breathing is difficult, give oxygen. If ingested, give water or milk to dilute stomach contents. Never give anything by mouth to an unconscious person. Get medical attention immediately for ingestion or breathing problems or if skin contact is extensive.

In case of fire, use water, "alcohol" foam, dry chemical, or CO2.

If spilled, wear protective clothing, remove ignition sources, prevent sparks, and ventilate area. Absorb with inert material, collect, and place in a chemical waste container.

Keep sealed in original container. Store between 30 and 75 °F (-1 and 24 °C). Refrigerate whenever possible to extend shelf life. Allow product to reach ambient temperature prior to use. Empty container may contain harmful residue.

The solvent in this product is not photochemically reactive per Rule 102 of the California South Coast Air Quality Management District.

NFPA:

Health: 2	Flammability: 2	Reactivity: 0	Special Notice: NONE

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications. (R) and TM indicate trademarks of Clariant AG, its business partners or suppliers.