



## MATERIAL (SAFETY DATA SHEET)

PRODUCT PREMIUM BOND 3000

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### I. Product Identification

Product code: 30260, 30261, 30268, 30269, 30785, 30786  
Application of the substance/ the mixture: Adhesive

Manufacturer/Supplier  
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### II. Hazard identification

Signal word DANGER



GHS05 Corrosion  
Eye Dam. 1 H318 Causes serious eye damage.



Health = 1  
Fire = 1  
Reactivity = 1



GHS07  
Skin Irrit. 2 H315 Causes skin irritation.  
Skin Sens. 1 H317 May cause an allergic skin reaction.  
STOT SE 3 May cause respiratory irritation.

HEALTH	1	Health = 1
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

Hazard description: Irritant  
The product is classified and labeled according to the Globally Harmonized System (GHS).

Appearance: Transparent

Physical state: Liquid

Target Organ Effects:

Skin, EYES, inhalation, ingestion

### GHS label elements, including precautionary statements

**Hazard statements:** Causes skin irritation and serious eye damage. May cause an allergic skin reaction and respiratory irritation. May be harmful if swallowed.

**Precautionary Statements - Prevention:** Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/clothing/eye and face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well ventilated area.

**Precautionary Statements - Response:** Get medical advice/attention if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Rinse mouth.

**Precautionary statements - Storage:** Store in a well-ventilated place. Keep container tightly closed.

**Precautionary Statements - Disposal:** Dispose of contents/container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) : NONE**

### III. Composition

Chemical Name	Weight-%	C.A.S. number	
Isobornyl Acrylate	10-25%	5888-33-5	Skin irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE3, H335
2-Hydroxyethyl Methacrylate	10-25%	868-77-9	Skin irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317
Acrylic Acid	1-5%	79-10-7	Flam. Liq. 3, H226; Skin Corr. 1A, H314; Acute Tox. 4, H302, H312, H332
3-trimethoxysilylpropyl methacrylate	<2.5%	2530-85-0	STOT SE3, H335
Maleic acid	<1.0%	110-16-7	Flam. Liq. 4, H227
			Acute Tox. 4, H302; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335

### IV. First Aid Measures

Eye Irritation: Immediately flush eyes with plenty of water for at least 15 minutes.

Skin Contact: In case of skin contact, wash thoroughly with soap and water.

Inhalation: Remove affected person to fresh air.

Ingestion: Low toxicity; Seek medical attention.

If any symptoms persist seek medical attention.

Note to physicians: Treat symptomatically

### V. Fire-Fighting Measures

Suitable extinguishing media:

Use CO<sub>2</sub>, dry chemical, or foam.

Unsuitable extinguishing media:

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical:

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NOX), dense black smoke.

Hazardous combustion products:

Hazardous decomposition products due to incomplete combustion.

Explosion data:

NONE

Protective equipment and precautions for fire fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### VI. Accidental Release Measure

Personal safety:

Ensure adequate ventilation. Wear Suitable gloves and eye/face protection.

Environmental safety:

Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. See Section 12 for additional Ecological Information. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### VII. Storage and Handling Procedures.

Storage:

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat.

Handling:

Handle in accordance with good industrial hygiene and safety practices. Ensure adequate ventilation. Protect from light.

Incompatible products:

Amines, Strong oxidizing agents, Strong acids, Strong bases, Oxygen scavengers, Thiosulfates.

### VIII. Exposure Controls and Personal Protection

Chemical name	TLV	REL
79-10-7 Acrylic Acid	Long-term value: 5.9 mg/m <sup>3</sup> , 2 ppm	Long-term value: 6 mg/m <sup>3</sup> , 2 ppm

General protective and hygienic measures: Keep away from food stuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory:

Positive fresh air exhaust should be provided in the work area; respiratory equipment is unnecessary in normal use.

Skin:

Avoid skin contact. Wear gloves and impervious protective clothing if frequent direct contact is likely.

Eyes:

Do not wear contact lenses. Chemical safety goggles are recommended.

### IX. Physical and Chemical Properties.

Appearance:	Transparent Fluid	Viscosity	Not Determined	pH-value	Not Determined
Density @ 68°F 20°C:	1.1 g/cm <sup>3</sup>	Melting point/freezing point	Not Determined	Boiling Point	Not Determined
Odor :	Characteristic	Evaporation Rate	Not Determined	Water Solubility Values	Not Determined
Dynamic viscosity :	20 cP	Specific Gravity	Not Determined	Ignition temperature:	Not Determined
Flash Point:	> 212°F (100°C)	Auto Ignition	Not Determined	Solvent content:	0.00%
Explosive properties:	Not Determined	Oxidizing properties	Not Determined	Solids Content	1.00%

**X. Stability and reactivity**

Reactivity:

No further relevant information available.

**Chemical Stability:**

Thermal decomposition / conditions to avoid: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide.

**XI. Toxicological Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50/4 h
5888-35-5 Isobornyl Acrylate	≈ 4350 mg/kg (Rat)	> 5 g/kg (Rabbit)	
2-Hydroxyethyl Methacrylate	≈ 5050 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	
octyl acrylate	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
decyl acrylate	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
79-10-7 Acrylic Acid	250 mg/kg (Rat)	280 mg/kg (Rabbit)	3.6 mg/l (Rat)

(see ECHA data)

Primary irritant effect:

on the skin:

Irritant to skin and mucous membranes.

on the eye:

Irritating effect.

Sensitization:

Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant.

**XII. Ecological Information****Toxicity:**

Aquatic toxicity:

No further relevant information available.

Persistence and degradability:

No further relevant information available.

**Behavior in environmental systems:**

Bioaccumulative potential:

No further relevant information available.

Mobility in soil:

No further relevant information available.

**Ecotoxicological effects:**

Remark:

Toxic for fish.

Additional ecological information:

**General notes:**

Generally not hazardous for water. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

**Results of PBT and vPvB assessment:**

PBT:

Not applicable.

vPvB:

Not applicable.

Other adverse effects:

No further relevant information available.

**XIII. Disposal considerations**

Waste Disposal Methods:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Contaminated packaging:

Dispose of in accordance with local regulation.

**XIV. Transportation information****Transportation method:**

DOT

**UN-Number:**

UN3082

**Proper shipping name:**

Environmentally hazardous substances, liquid, n.o.s. (Acrylic acid, stabilized, Isobornyl acrylate.)

IATA

UN3082

Environmentally hazardous substances, liquid, n.o.s. (Acrylic acid, stabilized, Isobornyl acrylate.)

Transportation additional information

DOT

For UN3082 the special provision 49CFR 171.4(c) is valid. Except when all or part of the transportation is by vessel, the requirements of this subchapter specific to marine pollutants do not apply to non-bulk packaging's transported by motor vehicle, rail car or aircraft.

IATA

Effective January 1, 2015, the International Air Transport Association (IATA) and the International Maritime Organization (IMO) provide a new exclusion for certain marine pollutants shipped by air or vessel (per IATA DGR 4.4 SP A197 and IMDG Code 2.10.2.7). Marine pollutants with the shipping names "UN 3077 Environmentally hazardous substance, solid, n.o.s." and "UN 3082 Environmentally hazardous substance, liquid, n.o.s." shipped in quantities of ≤ 5 L or ≤ 5 kg per package are not subject to regulation other than specific packaging provisions.

Packaging Provisions:

Packaging's of good quality and adequate strength.  
Dangerous good contents will not damage any packaging components.  
Packaging's not be overfilled.**XV. Regulatory Information.****Safety, health and environmental regulations/legislation specific for the substances or mixture:****GHS label elements:**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard Pictograms:**

GHS05, GHS07

**Signal Word:**

Danger.

**Hazard-determining components of labeling:**

acrylic acid, 2-hydroxyethyl methacrylate, Isobornyl acrylate, maleic acid.

**Hazard statements:**Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause respiratory irritation.  
Avoid breathing mist/vapours/spray. Wear protective gloves. Wear eye protection / face protection. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national/international regulations.**Precautionary statements:****Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**XVI. Other information****DOT:**

US Department of Transportation

**IATA:**

International Air Transport Association

**NFPA:**

National Fire Protection Association (USA)

**CAS:**

Chemical Abstracts Service (division of the American Chemical Society)

**VOC:**

Volatile Organic Compounds (USA, EU)

**HMIS:**

Hazardous Materials Identification System (USA)

**LC50:**

Lethal concentration, 50 percent

**PBT:**

Persistent, Bioaccumulative and Toxic

**LD50:**

Lethal dose, 50 percent

**vPvB:**

very Persistent and very Bioaccumulative

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