MATERIAL (SAFETY DATA SHEET)

PRODUCT PREMIUM BOND 20
Version 2/US Replaces version -1/US

1 Product Identification

Product identifier: 30081, 30082, 30083, 30088, 30089, 30681, 30689, 30705, 30706, 30902
1.2. Application of the substance/ the mixture: Adhesive/Sealant

1.3. Manufacturer/Supplier
Delta Kits Inc.
1090 Bailey Hill Rd. Suite A
Eugene Or. 97402
Tel: 800-548-8332
Fax: (541)345-1591

VelocityEHS/Chemtel
Emergency Telephone number
(800)-255-3924 US
(813)-248-0585 Int.

2 Hazard identification

2.1. Classification according to OSHA Hazard Communication Standard 29 CFR 1910:1200
Skin Corr. 1A H315; Eye Dam. 1 H318; Skin Sens. 1 H317; STOT SE 3 H335

2.2. **Label elements** Labeling according to OSHA Hazard Communication Standard 29 CFR 1910:1200

Hazard pictograms

Signal word DANGER

Hazard Statements:

H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation

Precautionary statements:
Prevention:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264.1	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P362	Take off all contaminated clothing
P363	Wash contaminated clothing before reuse.

Storage/Disposal:

P405	Store locked up.
P501.1	Dispose of contents/container to industrial incineration plant.

Other Hazards:
No special hazards have to be mentioned.

3 Composition/information on ingredients***

Hazardous ingredients according to OSHA Hazard Communication Standard 29 CFR 1910:1200

Chemical Name		Weight-%	C.A.S. number
3,3,5-trimethylcyclohexyl acrylate		>=25 < 50%	86178-38-3
Isobornyl Acrylate		>=10 < 20%	5888-33-5
2-Ethylhexylacrylate		>=10 < 20%	103-11-7
Additional remarks:	CLP	Regulation (EC) No 1272/2008, Annex VI, Note D	
	DSD	Directive 67/548/EEC, Annex I, Note D	
2-Hydroxyethyl Methacrylate		>=10 > 25%	868-77-9
Acrylic Acid		>=3 < 5%	79-10-7
Additional remarks:	CLP	Regulation (EC) No 1272/2008, Annex VI, Note D	
	DSD	Directive 67/548/EEC, Annex I, Note D	
3-Methacryloxypropyltrimethoxysilane		>=1 < 10%	2530-85-0
Maleic acid		>=1 < 7.4%	110-16-7

4 First Aid Measures

4.1. Description of first aid measures:

General Information: Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid. In any case show the physician the Safety Data Sheet.

After Inhalation: Ensure supply of fresh air. When vapours are intensively inhaled, seek medical help immediately.

After skin contact: Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

After eye contact: Separate eyelids, was the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After Ingestion: If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed:
Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed:
Hints for the physician / hazards: In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

5 Fire-Fighting Measures

5.1. Extinguishing media:
Suitable extinguishing media: Dry powder, Carbon dioxide, Foam
Non suitable extinguishing media: Full water jet

5.2. Special hazards arising from the substance or mixture: In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters:
Special protective equipment for fire-fighting: Do not inhale explosion and /or combustion gases. In case of combustion use a suitable breathing apparatus.
Other information: Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

6 Accidental Release Measure

6.1. Personal precautions, protective equipment and emergency procedures:
Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions:
Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, immediately inform the responsible authorities.

6.3. Methods and material for containment and cleaning up:
Pick up with absorbent material. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Containers in which split substance has been collected must be adequately labelled. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections:
Refer to protective measures listed in Sections 7 and 8.

7 Handling and Storage Procedures.

7.1. Precautions for safe handling:

Advice on safe handling: Avoid formation of aerosols. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep container tightly closed. Observe the usual precautions for handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities:

Requirements for storage rooms and vessels: Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

Further information on storage conditions: Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

8 Exposure Controls and Personal Protection

8.1. Control parameters

Other information: Contains no substances with occupational exposures limit values.

8.2. Exposure controls:

General protective and hygiene measures: Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limits. If this material is handled at elevated temperatures, or under mist-forming conditions without engineering controls, a NIOSH approved respirator must be used.

Hand protection: Chemical resistant gloves

Use:	Short-term hand contact
Appropriate Material:	nitrile
Material thickness:	>= 0.4mm
Breakthrough time	> 480 min.

Eye protection: Safety glasses with side protection shield

Body protection: Clothing as usual in the chemical industry.

9 Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties

Form/color	Liquid/colorless	Viscosity	Dynamic	pH-value	Not Determined
Density:	1,1 g/cm³	Melting point/freezing point	Not Determined	Boling Point	Not Determined
Odor :	Characteristic	Evaporation Rate	Not Determined	Water Solubility Values	Not Determined
Upper/lower flammability or explosive limits	Not Determined	Solubility(ies)	Not Determined	Ignition temperature:	Not Determined
Flash Point:	> 212ºF (100ºC)	Decomposition Temp.	Not Determined	Explosive properties:	Not Determined
Flammability (solid, gas)	Not Determined	Oxidizing properties	Not Determined	Odor threshold	Not Determined
Partition coefficient: n-octanol/water	Not Determined	Vapours pressure	Not Determined	Vapours Density	Not Determined

9.2. Other information None Known

10 Stability and reactivity

10.1. Reactivity: No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability: No hazardous reactions known.

10.3. Possibility of hazardous reactions: No hazardous reactions known.

10.4. Conditions to avoid: No hazardous reactions known.

Decomposition temperature: Not Determined.

10.5. Incompatible materials: None known.

10.6. Hazardous decomposition products: Irritant gases/vapours

11 Toxicological Information

11.1. Information on toxicological effects:

National Toxicology Program (NTP) Components: Maleic acid

International Agency for research on Cancer(IARC) Components: 2-Ethylhexylacrylat; Acrylic acid

Acute oral toxicity:

ATE 10,000 mg/kg

Method Calculated value according to GHS (e.g. see UN GHS)

Acute dermal toxicity

ATE >10.000 mg/kg

Method Calculated value according to GHS (e.g. see UN GHS)

Acute inhalational toxicity

ATE 17.6471 mg/l

Administration/Form Dust/Mist

Method calculated value according to GHS (e.g. see UN GHS)

ATE >100 gm/l

Administration/Form Vapors

Method calculated value according to GHS (e.g. see UN GHS)

Components/Chemical name	Oral LD50	Dermal LD50	Inhalation LC50/4 h
Maleic acid	708 mg/kg (Rat)	1560 mg/kg (Rabbit)	
Acrylic acid	= 1500 mg/kg (Rat)	>= 2000 mg/kg (Rabbit)	>= 5,1 mg/l (RAT) Vapors
Hydroxycyclohexyl phenyl ketone	> 2500 mg/kg (Rat)	> 5000 mg/kg (Rat)	> 1 mg/l (Rat) Dust/Mist

Skin corrosion/irritation not determined

Serous eye damage/irritation not determined

Sensitization (Components) not determined

Maleic acid

Route of exposure Dermal

Species guinea pig

evaluation sensitizing

Acrylic acid

evaluation non sensitizing

Hydroxycyclohexyl phenyl ketone

Species guinea pig

evaluation non sensitizing

Subacute, subchronic, chronic toxicity not determined

Mutagenicity not determined

Reproductive toxicity not determined

Carcinogenicity not determined

Specific Target Organ Toxicity (STOT) not determined

Experience in practice Inhalation may lead to irritation of the respiratory tract.

Other information No toxicological data are available.

12 Ecological Information

12.1. Toxicity:

General information not determined

Fish toxicity	Daphnia magna	Algae	Fish	Bacteria
Components/Chemical name	EC50 48h	ErC50 72h	LC50 96h	EC20 3h
Maleic acid	42,81 mg/l	74,35 mg/l Algae	75 mg/l rainbow trout(Oncorhynchus mykiss)	
Acrylic acid	= 47 to 95 mg/kg	0,13 mg/l Scenedesmus subspicatus	27 mg/l rainbow trout(Oncorhynchus mykiss)	
Hydroxycyclohexyl phenyl ketone	53,9 mg/l	14,4 mg/l Scenedesmus subspicatus	24 mg/l Zebra fish (Brachydanio rerio)	>100 mg/l activated sludge

12.2. Persistence and degradability

General information not determined

Biodegradability Components

Maleic acid Value: 97%; Duration of test: 28 days; Evaluation: Readily biodegradable (according to OECD criteria)

Chemical oxygen demand (COD) Components)

Acrylic acid Value: =1,48 kg/kg

Biochemical oxygen demand (BOD5) (Components)
Acrylic acid value = 0,31 kg/kg

12.3. Bioaccumulative potential
General information not determined
Partition coefficient: n-octanol/water not determined

12.4. Mobility in soil
General information not determined

12.5. Results of PBT and vPvB assessment
General information not determined

12.6. Other adverse effects
General information not determined
General information / ecology Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

13 Disposal considerations

13.1. Waste treatment methods
Disposal recommendations for the product Dispose of waste according to applicable legislation.
Disposal recommendations for the packaging Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

14 Transportation information

Ground transport DOT***
14.1. UN number
UN 3082
14.2. UN proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic acid)
14.3. Transport hazard class(es)
Class 9
Label 9
14.4. Packing group
Packing group III
Remarks This product is not subject to any other provisions of ADR provided packaging of not more than 5l/5 kg (SP 375)
Limited Quantity 5 l
Transport category 3
14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS

Marine transport IMDG/GGVSee ***
14.1. UN number
UN 3082
14.2. UN proper shippping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic acid)
14.3. Transport hazard class(es)
Class 9
14.4. Packing group
Packing group III
Remarks The product can be transported in accordance with IMDG code paragraph 2.10.2.7 provided packaging not more than 5l/5kg
14.5. Environmental hazards
Marine Pollutant

Air transport ICAO/IATA***
14.1. UN number
UN 3082
14.2. UN proper shippping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic acid)
14.3. Transport hazard class(es)
Class 9
14.4. Packing group
Packing group III
Remarks This product is not subject to any other provisions of IATA provided packaging of not more than 5l/5 kg (A197)
14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS

15 Regulatory Information.

15.1. Safety, health and environmental regulations/legislation specific for the substances or mixture:

Other information
All components are contained in the TSCA inventory or exempted.
All componenets are contained in the IECSC inventory

US. EPA Emergency Planning and Community Right-to-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355)
The product does not contain any listed components.

US. EPA Emergency Planning and Community Right-to-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required
Components: Acrylic acid

Clean water Act (CWA) Section 307 Toxic Pollutants (40 CFR 401.15)
The product does not contain any listed components.

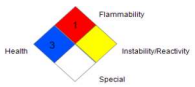
Clean water Act (CWA) Section 311 Toxic Pollutants (40 CFR 116.4)
Components: Maleic acid

Clean Air Act (CAA) Section 112 Regulated Toxic Substances And Threshold Quantities For Accidental Release Prevention (40 CFR 68.130 Table 1+2)
Components: 2-Ethylhexylacrylat; Acrylic acid

Clean Air Act (CAA) Section 112 Regulated Flammable Substances And Threshold Quantities For Accidental Release Prevention (40 CFR 68.130 Table 3+4)
The product does not contain any listed components.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)
Warning! This product may contain trace quantities of substance(s) known to the state of California to cause cancer and/or reproductive toxicity - not added as part of the formulation but remaining as residuals from the manufacturing process of our raw material suppliers.

NFPA Rating Information



HMIS® Rating information

HEALTH	3
FIRE	1
REACTIVITY	0
Personal Protection	

16 Other information

Department issuing Saftey Data Sheet:
Issue Date: 2020/07/24 Revision Date: 2023-12-06