



MATERIAL (SAFETY DATA SHEET)

PRODUCT PREMIUM BOND 3000

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I. Product Identification

Product identifier: 30260, 30261, 30268, 30269, 30660, 30669, 30785, 30786
Application of the substance/ the mixture: Adhesive

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

Version: 5/US
Replaces Version: 4/US

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

II. Hazard Identification

Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200
Skin Irrit. 2 H315; Eye Irrit. 2 H319; Skin Sens. 1 H317; STOT SE 3 H335

Label elements

Hazard pictograms



Signal word WARNING

Hazard Statements:

| | |
|------|--------------------------------------|
| H317 | May cause an allergic skin reaction. |
| H335 | May cause respiratory irritation |
| H315 | Causes skin irritation |
| H318 | Causes serious eye 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:

| | |
|----------------|--|
| 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. |
| P312 | Immediately call a POISON CENTER or doctor immediately if you feel unwell. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it 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.

III. Composition

Hazardous ingredients according to OSHA Hazard Communication Standard 29 CFR 1910.1200

| Chemical Name | Weight-% | C.A.S. number |
|--------------------------------------|-------------|--|
| Isobornyl Acrylate | >= 20 < 25% | 5888-33-5 |
| 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 < 6.6% | 110-16-7 |

IV. First Aid Measures

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, wash 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! |

Most important symptoms and effects, both acute and delayed:

Until now no symptoms known so far.

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.

V. Fire-Fighting Measures

Extinguishing media:

| | |
|-----------------------------------|----------------------------------|
| Suitable extinguishing media: | Dry powder, Carbon dioxide, Foam |
| Non suitable extinguishing media: | Full water jet |

Special hazards arising from the substance or mixture:

In case of combustion evolution of dangerous gases possible.

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.

VI. Accidental Release Measure

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

Environmental precautions:

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. In case the product spills into sewage waters, immediately inform the authorities.

Methods and material for containment and cleaning up:

Pick up with absorbent material. Dispose of absorbed material in accordance with the regulations.

Reference to other sections:

Refer to protective measures listed in Sections 7 and 8.

VII. Storage and Handling Procedures.

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.

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.

VIII. Exposure Controls and Personal Protection**Control parameters**

Other information:

Contains no substances with occupational exposures limit values.

Exposure controls:

General protective and hygiene measures:

Have 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. 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.

Safety glasses with side protection shield

Eye protection:

Body protection:

Clothing as usual in the chemical industry.

IX. 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

Boiling Point

Not Determined

Odor :

Characteristic

Evaporation Rate (ether=1)

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:

> 212°F (100°C)

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

Other information

None Known

X. Stability and reactivity

Reactivity:

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

Chemical stability:

No hazardous reactions known.

Possibility of hazardous reactions:

No hazardous reactions known.

Conditions to avoid:

No hazardous reactions known.

Decomposition temperature:

Not Determined.

Incompatible materials:

None known.

Hazardous decomposition products:

Irritant gases/vapours

XI. Toxicological Information**Information on toxicological effects:**

National Toxicology Program (NTP)

Components: Maleic acid

International Agency for research on Cancer(IARC)

Components: Acrylic acid

Acute oral/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 hours |
|--|--------------------|------------------------|--------------------------|
| Maleic acid | 708 mg/kg (Rat) | 1560 g/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.

XII. Ecological Information**Toxicity:**

General information

not determined

| Components/Chemical name | Daphnia magna | Algae | Fish | Bacteria |
|--|------------------|-----------------------------------|--|----------------------------|
| | 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 |

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

Bioaccumulative potential

General information not determined
Partition coefficient: n-octanol/water not determined

Mobility in soil

General information not determined

Results of PBT and vPvB assessment

General information not determined

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.

XIII. Disposal considerations

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.

XIV. Transportation information

***Ground transport DOT**

UN Number

UN3082

UN Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isobornyl Acrylate)

Transport hazard class(es)

Class 9
Label 9

Packing Group

Packing Group III
Remarks The product is not subject to any other provisions of ADR provided packaging of not more than 5l/5kg (SP 375)
Limited Quantity 5 l
Transport Category 3

Environmental Hazards

ENVIRONMENTALLY HAZARDOUS

***Marine Transport IMDG/GGVSee**

UN Number

UN3082

UN Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Isobornyl Acrylate)

Transport hazard class(es)

Class 9

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 5 l / 5 kg

Environmental hazards

Marine Pollutant

***Air Transport ICAO/IATA**

UN Number

UN3082

UN Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Isobornyl Acrylate)

Transport hazard class(es)

Class 9

Packing Group

Packing Group III
Remarks The product is not subject to any other provisions of IATA provided packaging of not more than 5 l / 5 kg (A197)

Environmental hazards

ENVIRONMENTALLY HAZARDOUS

XV. Regulatory Information.

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 components are contained in the IECSC inventory
All components are contained in the DSL inventory

US. EPA Emergency Planning and Community Right-to-Know Act (EPCRA) SARA Title III Section 302

Extremely Hazardous Substance (40 CFR 355)

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

Clean water Act (CWA) Section 307 Toxic Pollutants (40 CFR 401.15)

Clean water Act (CWA) Section 311 Toxic Pollutants (40 CFR 116.4)

Clean Air Act (CAA) Section 112 Regulated Toxic Substances And Threshold Quantities For Accidental Release Prevention (40 CFR 68.130 Table 1+2)

Clean Air Act (CAA) Section 112 Regulated Flammable Substances And Threshold Quantities For Accidental Release Prevention (40 CFR 68.130 Table 3+4)

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

The product does not contain any listed components.

Components: Acrylic acid

The product does not contain any listed components.

Components: Maleic acid

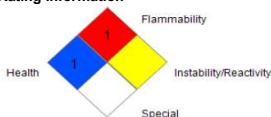
Components: Acrylic acid

The product does not contain any listed components.

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.

XVI. Other information

NFPA Rating Information



HMIS® Rating information

| | |
|---------------------|---|
| HEALTH | 1 |
| FIRE | 1 |
| REACTIVITY | 0 |
| Personal Protection | |

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