



MATERIAL SAFETY DATA SHEET

PRODUCT Rechargeable Mini Rotary Tool

Page 1 of 4

I. Product Identification

Product: **14001 or 14001H MINI ROTARY TOOL - 3.6V - LI-ION - RECHARGEABLE - USB (Battery cell contained in equipment)**

Synonyms: Lithium Ion Battery Cell 16340 600mAh(2.16Wh) 3.6V, battery weight 16.9g

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

Chemtel
Emergency Telephone number
(800)-255-3925 US
(800)-248-0585 Int.

II. Hazards Identification.

Preparation hazards and classification: Not dangerous with normal use. Do not dismantle, open or shred Li-ion Battery. Exposure to the ingredients contained within or their combustion products could be harmful.

Appearance: Color, and odor: Solid object with no odor, no color.

Primary Route(s) of Exposure: These chemicals are contained in a sealed stainless steel enclosure. Risk of exposure occurs only if the cell is mechanically, thermally or electrically abused to the point of compromising the enclosure. If this occurs, exposure to the electrolyte solution contained within can occur by inhalation or ingestion. Eye contact and skin contact.

Potential Health Effects:

Acute: (short term): see Section 8 for exposure controls in the event that this battery has been ruptured. The electrolyte solution contained within the battery would be corrosive and can cause burns.

Eye: Contact between the battery and the eye will not cause any harm. Eye contact with the contents of an open battery can cause severe irritation or burns to the eye.

Skin: Contact between the battery and skin will not cause any harm. Skin contact with contents of an open battery can cause severe irritation or burns to the skin.

Ingestion: Swallowing of materials from a sealed battery is not an expected route of exposure. Swallowing the contents of an open battery can cause serious chemical burns of mouth, esophagus, and gastrointestinal tract.

Skin: Contact between the battery and skin will not cause any harm. Skin contact with contents of an open battery can cause severe irritation or burns to the skin.

Inhalation: Inhalation of materials from a sealed battery is not an expected route of exposure. Vapors or mists from a ruptured battery may cause respiratory irritation.

Chronic (long term): see Section 11 for additional toxicological data

Medical Conditions Aggravated by Exposure: Not Applicable

Reported as carcinogen: Not Applicable

III. Composition

Li-Polymer Battery is a mixture.

<u>Component</u>	<u>C.A.S. number</u>	<u>Composition</u>
Lithium Cobalt Oxide	12190-79-3	15-40%
Graphite	7782-42-5	10-30%
Phosphae(1-), Hexafluoro-, lithium	21324-40-3	10-30%
Copper	7440-50-8	7-13%
Aluminum foil	7429-90-5	5-10%
Nickel	7440-02-0	1-5%
PVC(Chloroethylene, polymer	9002-86-2	1-5%

Labeling according to EC directives.

No symbol and risk phrase are required.

Note: CAS number is Chemical Abstract Service Registry Number.

N/A=Not apply

For materials leaking from battery

Eye Contact: If eye contact with contents of an open battery occurs, immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes while holding the eyelids open. Neutral saline solution may be used as soon as it is available. If necessary, continue flushing during transport to emergency care facility. Take care not to rinse contaminated water into the unaffected eye or onto face. Quickly transport victim to an emergency care facility.

Skin Contact: If skin contact with contents of an open battery occurs, as quickly as possible remove contaminated clothing, shoes and leather goods. Immediately flush with lukewarm, gently flowing water for at least 30 minutes. If irritation or pain persists, seek medical attention. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

Ingestion: If ingestion of contents of an open battery occurs, never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have the victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink 60 to 240ml (2-8oz) of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. Quickly transport victim to an emergency care facility.

Inhalation: If contents of an opened battery are inhaled, remove source of contamination or move victim to fresh air. Obtain medical advice.

V. **Fire Fighting Measures**

Flammable Properties: In the event that this battery has been ruptured, the electrolyte solution contained within the battery would be flammable. Like any sealed container, battery cells may rupture when exposed to excessive heat: this could result in the release of flammable or corrosive materials.

Extinguishing Media: Use extinguishing media suitable to the materials that are burning.

Unsuitable extinguishing Media: Not available

Explosion Data:

Sensitivity to Mechanical Impact: This may result in rupture in extreme cases.

Sensitivity to Static Discharge: Not Applicable

Specific Hazards arising from the chemical: Fires involving Li-ion Batteries can be controlled with water. When water is used, however, hydrogen gas may evolve. In a confined space, hydrogen gas can form an explosive mixture. In this situation, smothering agents are recommended to extinguish the fire.

Protective Equipment and Precautions for fire fighter: As for any fire, evacuate the area and fight the fire from a safe distance. Fight fire from a protected location or safe distance. Use NIOSH/MSHA approved full-face self-contained breathing apparatus(SCBA) with full protective gear.

NFPA

Health:0

Flamability:0

Instability:0

VI. **Accidental Release Measures.**

Personal precautions, protective equipment, and emergency procedures: Restrict access to area until completion of clean-up. Do not touch the spilled material. Wear adequate personal protective equipment as indicated in Section 8.

Environmental Precautions: Prevent material from contaminating soil and from entering sewers or waterways.

Methods of materials of Containment: Stop the leak if safe to do so. Contain the spilled liquid with dry sand or earth. Clean up spills immediately.

Methods and materials for cleaning up: Absorb spilled material with an inert absorbent (dry sand or earth). Scoop contaminated absorbent into an acceptable water container. Collect all contaminated absorbent and dispose of according to directions in Section 13. Scrub area with detergent and water. Collect all contaminated wash water for proper disposal.

VII. **Handling and Storage.**

Handling: Don't handle Li-ion Battery with metalwork. Do not open, disassemble, crush or burn battery. Ensure good ventilation/exhaustion at the workplace. Prevent formation of dust. Information about protection against explosions and fires: Keep ignition sources away-Do not smoke.

VIII. Exposure Controls, Personal Protection.

Engineering Controls: Use local exhaust ventilation or other engineering controls to control sources of dust, mist, fumes and vapor. Keep away from heat and open flame. Store in a cool, dry place.

Personal Protective Equipment:

Respiratory Protection: Not necessary under normal conditions.

Skin Protection: Not necessary under normal condition. Wear neoprene or nitrile rubber gloves if handling an open or leaking battery.

Hand Protection: Wear neoprene or natural rubber gloves if handling an open or leaking battery.

Eye and Face Protection: Not necessary under normal conditions. Wear safety glasses if handling an open or leaking battery.

Other Protective Equipment: Have eye wash fountain readily available in the immediate work station.

Hygiene Measures: Do not eat, drink or smoke in work area. Maintain good housekeeping.

XIV. Physical and Chemical Properties

Physical State Form: Solid
Color: Silvery white
Odor: Monotony

Change in condition:

pH, with indication of the concentration:	Not Applicable.
Melting point freezing point:	Not Applicable.
Boiling Point, initial boiling point and Boiling range:	Not Applicable.
Flash Point	Not Applicable.
Upper/lower flammability or explosive limits	Not Applicable.
Vapor Pressure:	Not Applicable.
Vapor Density:(Air=1)	Not Applicable.
Density/relative density:	Not Applicable.
Solubility in Water	Insoluble
n-octanol/water partition coefficient	Not Applicable.
Auto-ignition temperature	130°C
Decomposition temperature	Not Applicable.
Odor threshold	Not Applicable.
Evaporation Rate:	Not Applicable.
Flammability(soil, gas)	Not Applicable.
Viscosity:	Not Determined

X. Stability and Reactivity

Stability: The product is stable under normal conditions.

Conditions to Avoid (e.g. static discharge, shock or vibration): Do not subject Li-ion Battery to mechanical shock. Vibration encountered during transportation does not cause leakage, fire or explosion. Do not disassemble, crush, short or install with incorrect polarity. Avoid mechanical or electrical abuse.

Incompatible Materials: Not Available

Hazardous Decomposition Products: This material may release toxic fumes if burned or exposed to fire.

Possibility of Hazardous Reaction: Not Available

XI. Toxicological Information.

Irritation: Risk of irritation occurs only if the cell is mechanically, thermally or electrically abused to the point of compromising the enclosure. If this occurs, irritation to the skin, eyes and respiratory tract may occur.

Sensitization:	Not Available
Neurological Effects	Not Available
Teratogenicity	Not Available
Reproductive Toxicity	Not Available
Mutagenicity(Genetic Effects)	Not Available
Toxicologically Synergistic Materials.	Not Available

XII. Ecological Information.

Environmental Toxicity: Water hazard class 1(Self-assessment): Slightly

XIII. Disposal Considerations.

Product disposal recommendation: Observe local, state and federal laws and regulations. Packaging disposal recommendation: Be aware discarded batteries may cause fire, tape the battery terminals to insulate them. Don't disassemble the battery. Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local, state and federal laws and regulations.

XIV. Transport Information.

Concorde's Li-ion Battery comply with the UN Recommendations on the Transport of Dangerous Goods; IATA Dangerous Goods regulations, and applicable U.S. DOT regulations for the safe transport of Li-ion Battery. The Li-ion Batteries have been tested under provisions of the UN Manual of Tests and Criteria, Part III, sub-section 38.3 and are classified as non-dangerous goods as per 548th IATA DGR 2017.

Lithium ion cell/battery

Lithium ion cell/battery = UN 3480 with Section II of PI965
Lithium ion cell/battery packed with equipment = UN 3481 with Section II of PI966
Lithium ion cell/battery contained in equipment = UN 3481 with Section II of PI967

Lithium ion:

Content in Watt-hour(Wh) AND
lithium ion cell = less than 20Wh per cell
lithium ion battery = less than 100Wh per battery

Transport fashion: Land transport ADR/RID (cross-border)
Sea Transport IMDG
Air Transport ICAO-TI and IATA-DGR

XV. Regulatory Information.

OSHA Hazard communication standard (29 CFR 1910.12000)
_____ Hazardous _____ V _____ Non-hazardous

XVI. Preparation Information.

Preparation Date: 8/3/2019 Revised Date: N/A

To the best of our knowledge, the information contained herein is accurate. However, Delta Kits Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



MATERIAL (SAFETY DATA SHEET)

PRODUCT PREMIUM BOND 3000

Page 1 of 3

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

Chemtel
Emergency Telephone number
(800)-255-3925 US
(813)-248-0585 Int.

II. Hazard identification

Classification according to OSHA Hazard Communication Standard 29 CFR 1910:1200
Skin Irrit. 2 H315; Eye Dam. 1 H318; Skin Sens. 1 H317; STOT SE 3 H335

Label elements

Hazard pictograms  Signal word DANGER

Hazard Statements:
H317 May cause an allergic skin reaction.
H335 May cause respiratory
H315 Causes skin irritation.
H318 Causes serious eye damage.

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.
P310 Immediately call a POISON CENTER or doctor.
P332 If skin irritation occurs:
P333 If skin irritation or rash occurs:
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 e**

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: If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Short term: filter apparatus, Filter A

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.

IX. Physical and Chemical Properties.

Form/color	Liquid/colorless	Viscosity	Dynamic	pH-value	Not Determined
Density:	1,1 g/cm ³	Melting point/freezing point	Not Determined	Boiling 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:	> 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

	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

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**Transportation method:**

Ground transport DOT Non-dangerous goods.
 Marine transport IMGD/GGVSee The product does not constitute a hazardous substance in sea transport.
 Air transport ICAO/IATA The product does not constitute a hazardous substance in air transport.

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.
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: 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.

XVI. Other information**NFPA Rating Information****HMIS® Rating information**

HEALTH	3
FIRE	1
REACTIVITY	0
Personal Protection	

Issue Date: 2015-02-13

Revision Date: 2021-07-13

To the best of our knowledge, the information contained herein is accurate. However, Delta Kits Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



MATERIAL (SAFETY DATA SHEET)

PRODUCT PREMIUM PIT POLISH

I. Product Identification

Product code: 30400,30402, 30403, 30404, 30405, 30525
Synonyms: Aqueous Silica/Hydrocarbon Mixture

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

Chemtel
Emergency Telephone number
(800)-255-3925 US
(813)-248-0585 Int.

II. Hazard identification

Hazard description: Irritant
Appearance: Opaque, tan
Physical state: Liquid
Classification: OSHA Regulatory Status: This chemical is considered an irritant by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Eye Irritation	Category 2
Skin Irritation	Category 2
STOT (Inhalation-Respiratory Irritation)	Category 3
STOT (Inhalation) RE	Category 2.
Target Organ Effects:	Skin, eyes, inhalation

Signal word
WARNING



GHS label elements, including precautionary statements

Hazard statements: This product may mildly irritate contaminated tissue, especially upon prolonged exposure. Inhalation of high concentrations of vapors can cause central nervous system depression (e.g., dizziness, headaches, and nausea). This product may contain Crystalline Silica, which is known to cause cancer by inhalation when particles are present. If this product is used in a manner that creates dust, use of respiratory protection is required. Contains compound that is a suspect mutagen.

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.
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.

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.

III. Composition

Chemical Name	Weight-%	C.A.S. number
Odorless Mineral Spirits	7.0-13	64742-48-9
Amorphous Silica's	5.0-10.0	68855-54-9
Diatomaceous Earths Mixture	4.0-8.0	61790-53-2
Polydimethyl Siloxane	4.0-8.0	613148-62-9
Morpholine	1.0-5.0	110-91-8
Oleic Acid	1.0-5.0	112-80-1
Crystalline Silica's Mixture	0-5.0/0.-1.0	14464-46-1 /14808-60-7
Water	Balance	7732-18-5

IV. First Aid Measures

Description of first aid measures: Contaminated individuals must be taken for medical attention if any adverse effects occur. Take a copy of the label and SDS to health professional with victim.

Eye Irritation: If this product contaminates the eyes, open contaminated individual's eyes while under gently running water. Use sufficient force to open eyelids. Have contaminated individual "roll" eyes. Minimum flushing is for 20 minutes. Contaminated individual must seek medical attention if adverse effect continues after flushing.

Skin Contact: If this product contaminates the skin, begin decontamination with running water. Minimum flushing for 20 minutes. The contaminated individual must seek medical attention if any adverse effects occur after flushing.

Inhalation: If mists or sprays of this product are inhaled, remove victim to fresh air. The contaminated individual must seek medical attention if any adverse effects occur.

Ingestion: If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTR FOR MOST CURRENT INFORMATION. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diuretics (milk or water) to someone who is unconscious, having convulsions, or unable to swallow. If victim is convulsing, maintain an open airway and obtain immediate medical attention.

MOST IMPORTANT SYMPTOMS/EFFECTS (ACUTE & CHRONIC): See Sections 2 (Hazard Identification) and 11 (Toxicological Information) for description of possible health effects from exposure to this product. **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Skin disorders, respiratory conditions, and central nervous system conditions may be aggravated by prolonged overexposure to this product.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT IF NEEDED: Treat symptoms and eliminate overexposure.

V. Fire-Fighting Measures

FLASH POINT (Pensky-Martens Closed Tester): .93.3°C(>200°F)
Suitable extinguishing media: Use CO2, dry chemical, or foam.

Unsuitable extinguishing media: None Known
Specific hazards arising from the chemical: This product presents a moderate eye and skin-contact hazard to firefighters. When involved in a fire, this material may decompose and produce irritating vapors and toxic gases (including silicon, nitrogen and carbon oxides).

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: Wear rubber gloves, splash goggles, and appropriate body protection.

Environmental safety: Avoid release to the environment. Run-off water may be contaminated by other materials and should be contained to prevent possible environmental damage.
Methods for cleaning up: Absorb spilled material with polyadsorb or other suitable, non-reacting absorbent, avoiding generation of aerosols, wearing gloves and aprons. Place spilled material in appropriate container for disposal, sealing tightly.

VII. Storage and Handling Procedures.

Storage: Keep container tightly closed in a dry and well-ventilated place.

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	ACGIH TLV	OSHA	NIOSH	NIOSH
	TWA mg/m³	TWA mg/m³	TWA mg/m³	IDLH mg/m³
Amorphous Silica	NE	NE	NE	NE
Crystalline Silica	NE	Total Dust: 30mg/m³ % SiO ₂ + 2 Resp. Fract. 250 mppcf % SiO ₂ + 5 .1 (vacated 1989 PEL)	0.005 (Resp. dust)	50
Crystalline Silica, Cristobalite	0.025 (resp. fract.)	½ the value calculated from the respirable dust formula for quartz 0.05 (vacated 1989 PEL)	0.005	25
Diatomaceous Earth	NE	20 mppcf 6 (vacated 1989 PEL)	6	NE
Mineral Spirits	NE	NE	NE	NE
Morpholine	71 (skin)	70 (skin)	70 (skin)	NE
Oleic Acid	NE	NE	NE	NE
Polydimethyl Siloxane	NE	NE	NE	NE

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: Use approved safety goggles or safety glasses. If necessary, refer to appropriate regulations to assist in equipment selection.

IX. Physical and Chemical Properties.

Physical state: Viscous liquid
Molecular formula: Mixture
Color: Opaque, tan
Odor: Hydrocarbon, Odor threshold
Relative vapor density (air = 1): >1.0
Specific gravity (water = 1): 1.01
Vapor pressure, mmHg @50°C: <75
Boiling point: 80°C (176°F)
FLASH POINT (Pensky-Martens Closed Tester): .93.3°C(>200°F)
Coefficient of oil/water distribution (partition coefficient): Not Determined
How to detect this substance (identification/warning properties): The odor is a distinguished characteristic of this product.

Viscosity (cP): 7000-9000
% Volatile: <16
pH: 8.5 to 9.0
Solubility in water: Soluble

X. Stability and reactivity

Stability:	Stable under normal conditions.
Hazardous Decomposition Products:	Combustion: Silicon, nitrogen and carbon oxides. Hydrolysis: None known.
Incompatibility:	Strong oxidizing agents, Strong acids, Strong bases
Possibility of hazardous reactions:	None known
Conditions to avoid:	Exposure to water, moist air, and ultraviolet light, Incompatible chemicals, high temperatures.

XI. Toxicological Information

Inhalation:	Inhalation is not anticipated to be a significant route of overexposure to this product. If mists of this product are inhaled, irritation of the nose and other tissues of the upper respiratory system may occur. Inhalation of high concentrations of vapors (as may occur if this material is used in a poorly ventilated area), symptoms are generally alleviated upon breathing fresh air. This product may contain Crystalline Silica, which is known to cause cancer by inhalation. If this product is used in a manner that creates dust (such as application of product with a mechanical polishing wheel), use of respiratory protection is required. Depending on the duration and concentration of overexposure, eye contact can cause irritation and reddening. Symptoms are generally alleviated upon rinsing. Skin absorption is a potential route of exposure for the Morpholine component of this product. Contact can cause reddening, discomfort and irritation. If a large area of skin is involved, system toxicity can occur.
Contact with eyes: Skin absorption:	Ingestion is not anticipated to be a likely route of exposure to this product in the workplace. If this material is swallowed, it may cause headache, nausea and vomiting. While not anticipated to occur, due to product viscosity, aspiration of this liquid may cause life-threatening lung damage. No information available.
Ingestion:	Components, including Crystalline Silica, are known or suspected carcinogens. This product contains compounds that may damage the lungs through acute and chronic inhalation exposure.
Mutagenic effects: Carcinogenicity:	Currently, there is no information on the potential human mutagenic, embryo toxic, teratogenic or reproductive effects from this product. Animal data from the Morpholine component has shown both positive and negative mutagenic results, with no conclusions possible on mutagenicity.
Reproductive toxicity:	

Numerical measures of toxicity - Product information

Chemical Name	Inhalation (Rat-R) (Mouse-M)	Oral (Rat-R) (Mouse-M)	Dermal (Rat) (Mouse-M) (Rabbit-RA)
Amorphous Silica	Currently, there are no toxicological data for this compound		
Crystalline Silica (quartz)	TCLo 50 mg/m ³ 26 week- intermittent: Lungs, Thorax, or Respiration: fibrosis, focal (pneumoconiosis) (R)	NE	NE
Crystalline Silica, Cristobalite	TCLo 70mg/m ³ 5 hours/12 days- intermittent Lungs, Thorax, or Respiration: fibrosis, focal (pneumoconiosis) (M)	NE	NE
Diatomaceous Earth	Currently, there are no toxicological data for this compound		
Mineral Spirits	Currently, there are no toxicological data for this compound		
Morpholine	LC ₅₀ 8000 ppm 8 hours	LD ₅₀ 1738 mg/kg; Kidney/Ureter/Bladder changes in blood vessels or in circulation of kidney	TDLo 9 gm/kg 10 days- intermittent: Liver: fatty liver degeneration; Skin and Appendages: Primary irritation (after topical exposure); Related to Chronic Data: death. (RA)
Oleic Acid	TCLo 30 mg/m ³ 4 ours: Behavioral: alteration of classical conditioning; Blood changes in serum composition(e.g. TP, bilirubin, cholesterol); Immunological including Allergic: hypersensitivity delayed. (R)	LD ₅₀ 25000 mg/kg	TDLo 1500mg/kg 3 days-intermittent: Blood: other changes (M)
Polydimethyl Siloxane	NE	24 gm/kg; Gastrointestinal: hypermotility, diarrhea (R)	LD50 2gm/kg; Behavioral: food intake (animal); Gastrointestinal: hypermotility, diarrhea; Skin and appendages: dermatitis. (RA)

XII. Ecological Information**Mobility**

Morpholine: This product has not been tested for mobility in soil. The following information is available for some components.
Using a measured log octanol/water partition coefficient (log Kow) of -0.86 and a regression equation, the estimated Koc for this compound is 8. The Koc estimated from molecular structure is 5. According to a suggested classification scheme, this estimated Koc suggests that this compound is highly mobile in soil.

Oleic Acid**Persistence and biodegradability****Morpholine:****Oleic Acid**

This product has not been tested for persistence or biodegradability. The following information is available for some components.
If released to soil, this compound may volatilize from dry soil surfaces, but not from moist soil. This material in soil will move with soil moisture and is expected to leach extensively.

Bio-accumulation potential**Morpholine:****Oleic Acid****Ecotoxicity:**

This product has not been tested for bio-accumulation potential. The following information is available for some components.
Because this compound is miscible with water and has a very low measured octanol/water partition coefficient, log Kow - .86, its tendency to bioconcentrate in aquatic organisms should be extremely low. An experimentally determined BCF for Morpholine was <2.8.

An estimated BCF of 10 was calculated in fish for this compound, using a log Kow of 7.64 and regression-derived equation. According to a classification scheme, this BCF suggests the potential for bioconcentration in aquatic organisms is low.
This product may have significant, adverse effects on aquatic plants and animals if accidentally released to an aquatic environment. The following are aquatic toxic data for some components of this product. Limited data are presented in this SDS.

Morpholine:	LC ₅₀ (bluegill) 96 Hours = 350 mg/L	LC ₅₀ (daphnia) 24h hours = 100 mg/L	EC ₅₀ (Daphnia Magna) 24 hours = 119mg/L (Immobilization)
Oleic Acid	LC ₅₀ (Pimephales promelas Fathead minnow, juvenile 4-8 wk, length 1.1-3. cm) 96 hours = 205,000 µg/L; Conditions: freshwater, static, 18-22°C, dissolved oxygen < or =4.0 mg/L.		

Other adverse effects: Components of this product are not listed as having ozone depletion potential.

Environmental exposure controls:**XIII. Disposal considerations****Waste Disposal Methods:**

It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste per regulations of the area in which the waste is generated and/or disposed of. Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

Contaminated packaging:**XIV. Transportation information**

U.S. Department of transportation Regulations: This product is NOT classified as a dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101

Transport Canada transportation of dangerous goods regulations: This product is NOT considered as Dangerous Goods.

International air transport association designation: This material is NOT considered as a dangerous goods, per IATA

International maritime organization (IMO): This product is not considered as dangerous goods, per rule of the IMO

Environmental hazards: This product does not meet the criteria of environmentally hazardous according to the criteria of the UN Model Regulations (as reflected in the IMDG Code, ADR, RID, and AND); components are not specifically listed in Annex III under MARPOL 73/789.

XV. Regulatory Information**Additional U.S. Regulations**

U.S. Sara reporting requirements: The components of this product are NOT subject to the reporting requirements of section 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. Sara threshold planning quantity: There are not specific Threshold Planning Quantities for this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lb. (4540 kg) may apply, per 40 CFR 370.20

U.S. Cercla reportable quantity(RQ): Not applicable.

U.S. TSCA inventory status: The components of this product listed are listed on the TSCA inventory.

Other U.S. Federal regulations: Not applicable.

California safe drinking water and toxic enforcement act (prop 65): The Crystalline Silica (airborne particles of respirable size) component of this product is on the CA prop 65 lists. Warning! This product contains a compound known to the State of California to cause cancer.

Additional Canadian Regulations

Canadian DSL/NDSL Inventory: The components of this product listed are listed on the DSL Inventory.

Canadian WHMIS IDL disclosure status: The Amorphous Silica/Diatomaceous Earth, Crystalline Silica, Morpholine and Oleic components of this product have a disclosure level of 1%.

Other Canadian Regulations: Not applicable.

Canadian Environmental Protection Agency (CEPA) Priority substances lists: The components of this product are not on the Priority Substances Lists.

Canadian WHMIS classification and symbols: Class D2B (Materials causing other toxic effects) Irritation.

XVI. Other information

METHODS OF EVALUATING INFORMATION FOR THE PURPOSE OF CLASSIFICATION: Bridging principles were used to classify this product.

NFPA Rating Flammability 1 Health 2 Instability 0

Signal Words: Warning

Issue Date: 2015-03-18

Revision Date: 2016/07/01

To the best of our knowledge, the information contained herein is accurate. However, Delta Kite Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



MATERIAL (SAFETY DATA SHEET)

1 Product Identification

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

Product identifier: 30081, 30082, 30083, 30088, 30089, 30681, 30689, 30705, 30706, 30902

1.2. Application of the substance/ the mixture: Adhesive

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

1.4. Chemtel
Emergency Telephone number
(800)-255-3925 US
(813)-248-0585 Int.

2 Hazard identification

2.1. Classification according to OSHA Hazard Communication Standard 29 CFR 1910:1200
Skin Irrit. 2 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:

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

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.
P310 Immediately call a POISON CENTER or doctor.
P332 If skin irritation occurs:
P333 If skin irritation or rash occurs:
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.

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, 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!

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:
Non suitable extinguishing media:

Dry powder, Carbon dioxide, Foam
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:
Other information:

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. 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

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, 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 Storage and Handling 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/cm ³	Melting point/freezing point	Not Determined	Boiling 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:	> 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
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: 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 >20 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 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.

12 Ecological Information

12.1. Toxicity:

General information not determined

Fish toxicity	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

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. Pacing 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 I

Transport category 3

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS

Marine transport IMDG/GGVSee ***

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

14.4. Pacing 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 shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic acid)

14.3. Transport hazard class(es)

Class 9

14.4. Pacing 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 components 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.

16 Other information

NFPA Rating Information



Flammability
Instability/Reactivity
Special

HMS® Rating information

HEALTH	3
FIRE	4
REACTIVITY	0
Personal Protection	

Issue Date: 2020/07/24

Revision Date: 2020/07/24

To the best of our knowledge, the information contained herein is accurate. However, Delta Kits Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.