

Safety Data Sheet

Section 1 - Chemical Product / Company Information

Product Name: K2000/K1000 Hardener

Product Code: K1000H/K2000H

Company:

Multi-Tech Products
1177 N Red Gum St
Anaheim, CA 92806
951-834-9066

24hr Emergency Number:

CHEMTREC
800.424.9300

International
703.527.3887

Relevant identified uses:

Spot Repair Coating

Revision Date 03-01-2020

Section 2 - Hazards Identification

GHS Ratings:

| | | |
|------------------------|----|---|
| Flammable liquid | 3 | Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F) |
| Eye corrosive | 2A | Eye irritant: Subcategory 2A, Reversible in 21 days |
| Respiratory sensitizer | 1 | Respiratory sensitizer |
| Skin sensitizer | 1 | Skin sensitizer |
| Reproductive toxin | 1B | Presumed, Based on experimental animals |

GHS Hazards

| | |
|------|---|
| H226 | Flammable liquid and vapour |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H360 | May damage fertility or the unborn child |

GHS Precautions

| | |
|------|---|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P210 | Keep away from heat/sparks/open flames/hot surfaces – No smoking |
| P233 | Keep container tightly closed |
| P240 | Ground/bond container and receiving equipment |
| P241 | Use explosion-proof electrical/ventilating/light/.../equipment |
| P242 | Use only non-sparking tools |
| P243 | Take precautionary measures against static discharge |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray |
| P264 | Wash ... thoroughly after handling |
| P272 | Contaminated work clothing should not be allowed out of the workplace |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P281 | Use personal protective equipment as required |

| | |
|----------------|---|
| P285 | In case of inadequate ventilation wear respiratory protection |
| P321 | Specific treatment (see ... on this label) |
| P363 | Wash contaminated clothing before reuse |
| P302+P352 | IF ON SKIN: Wash with soap and water |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower |
| P304+P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P305+P351+P338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing |
| P308+P313 | IF exposed or concerned: Get medical advice/attention |
| P333+P313 | If skin irritation or a rash occurs: Get medical advice/attention |
| P337+P313 | Get medical advice/attention |
| P342+P311 | Call a POISON CENTER or doctor/physician |
| P370+P378 | In case of fire: Use ... for extinction |
| P405 | Store locked up |
| P403+P235 | Store in a well ventilated place. Keep cool |
| P501 | Dispose of contents/container to ... |

Signal Word: Danger



Section 3 - Composition / Information On Ingredients

| Chemical Name | CAS number | Weight Concentration % |
|---|------------|------------------------|
| Poly(hexamethylene diisocyanate) | 28182-81-2 | 75.00% |
| Propylene glycol monomethyl ether acetate | 108-65-6 | 9.00% |
| Solvent Naphtha, Light Aromatic | 64742-95-6 | 6.00% |
| Pseudocumene | 95-63-6 | 5.00% |
| n-butyl acetate | 123-86-4 | 5.00% |

Section 4 - First Aid Measures

First Aid- Inhalation: Remove to fresh air. Administer oxygen if necessary. Consult a physician if symptoms persist or exposure was severe.

First Aid - Eye Contact: If material gets into eyes, flush with water immediately for 15 minutes. Consult a physician

First Aid - Skin Contact: Wash skin thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. If rash or irritation develops, consult a physician. Launder clothing before reuse.

First Aid - Ingestion: Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Have the victim drink 8 to 10 ounces (240 - 300 ml) of water to dilute the material in the stomach. If vomiting occurs naturally, have the victim lean forward to reduce the risk of aspiration. Consult a physician immediately. If ingested, drink 2 glasses of water. Immediately see a physician. Never give anything by mouth to an unconscious person.

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the

Section 5 - Fire Fighting Measures

Flash Point: 25 C (77 F)

Extinguishing Media: Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam

Unusual Fire And Explosion Hazards: Flammable liquid. Flashback along vapor trail may occur. This material may be ignited by heat, sparks, flame or static electricity. Closed containers may explode when exposed to extreme heat.

Special Firefighting Procedures: The use of self-contained breathing apparatus is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes. Use a self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode. Combustible. Cool fire-exposed containers using water spray.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Use personal protective equipment as necessary. Absorb with suitable chemical absorbent. Remove all sources of ignition (flames, hot surfaces and electrical, static, or frictional spark). Avoid breathing vapors. Ventilate area. Remove with inert absorbent and non-sparking tools. Dispose of material in accordance with all federal, state and local regulations. Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. Dispose of material in accordance with all federal, state and local regulations. Only trained personnel wearing protective equipment should handle spill cleanup. Avoid personal contact.

Section 7 - Handling And Storage

Handling: Flammable liquid. Avoid heat, sparks and open flames. Avoid breathing vapor and contact with eyes, skin and clothing. Hazardous residue may remain in emptied container. Do not reuse empty containers without commercial cleaning or reconditioning. Use in well ventilated area. Avoid heat, sparks and open flames. Avoid breathing dust. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures. To reduce potential for static discharge, bond and ground containers when transferring material. Keep container tightly closed and dry: store in a cool place. Avoid direct sunlight.

Section 8 - Exposure Controls / Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---|--|---|-----------------------|
| Poly(hexamethylene diisocyanate 28182-81-2 | No component of the product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. | No component of the product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. | Not Established |
| Propylene glycol monomethyl ether acetate 108-65-6 | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH | Not Established |
| Solvent Naphtha, Light Aromatic 64742-95-6 | Not Established | Not Established | Not Established |
| Pseudocumene 95-63-6 | Not Established | Not Established | Not Established |
| n-butyl acetate 123-86-4 | Hazardous by definition of Hazard Communication Standard (29 CFR 191.1200) | Not Established | Not Established |

Engineering Controls: General ventilation should be provided to maintain ambient concentrations below nuisance levels. . Local ventilation of emission sources may be necessary to maintain ambient concentrations below recommended exposure limits.

Respiratory Protection: Respirator use is not expected to be necessary under normal conditions of handling. In emergency situations, use of a NIOSH-approved respirator may be required. When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a full face piece, supplied air, or Self Contained Breathing Apparatus (SCBA) may be necessary. When concentrations exceed the exposure limits specified, use of a NIOSH approved full face piece organic vapor cartridge respirator is recommended. Where the protection factor may be exceeded, use of a full face piece supplied air respirator or Self Contained Breathing Apparatus (SCBA) may be necessary.

Skin Protection: Chemical resistant gloves and chemical goggles should be used to prevent skin and eye contact. Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing. Wear nitrile or neoprene gloves. Chemical resistant gloves lined with polyethylene offer maximum protection.

Eye Protection: Wear chemical goggles and face shield (if not wearing a full face piece respirator) . Wear a synthetic apron or coveralls to prevent contact with skin or clothing.

Other protective equipment: Safety shower and eyewash station should be located in immediate work area.

Section 9 - Physical And Chemical Properties

Physical and Chemical properties here represent typical properties of the product. Contact the business area using the Product information phone numb

| | |
|---|---|
| Vapor Density 4.21 VOC 25.1 % % Volume Volatile 22.04 Lbs VOC/Gallon Less Water 1.72 | Vapor Pressure 0.62 kPa Boiling Range 126 to 349 °C, 260 to 660 °F Specific Gravity (SG) 1.116 |
|---|---|

Section 10 - Stability And Reactivity

STABLE

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Inhalation Toxicity LC50: 462mg/L

Component Toxicity

108-65-6 Propylene glycol monomethyl ether acetate
Dermal LD50: 5,000 mg/kg (Rabbit)

Chronic Effects on Humans: May Causes damage to the following organs: lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans:

May be hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator).

Inhalation Skin Contact Eye Contact Ingestion

Eyes Lungs Central Nervous System Skin

CAS Number

Description

% Weight

Carcinogen Rating

Section 12 - Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Component Ecotoxicity

Propylene glycol monomethyl
ether acetate

Toxicity to fish: mortality LC50 - Salmo gairdner - 100-180 mg/l - 96 hr

Toxicity to daphnia and other aquatic invertebrates: Immobilization EC50-
Daphnia magna (Waterflea) - > 500mg/l -48hr

n-butyl acetate

Section 13 - Disposal Information

Waste disposal methods: Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge into drains/surface waters/

Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and loc

Section 14 - Transportation Information

Important Note: shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination.

Agency

DOT

Proper Shipping Name

Paint Related

UN Number

UN1263

Packing Group

III

Hazard Class

3

Section 15 - Regulatory Information

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

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information requirements.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302 .

Fire Hazard, Chronic Health Hazard

This Material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

- None

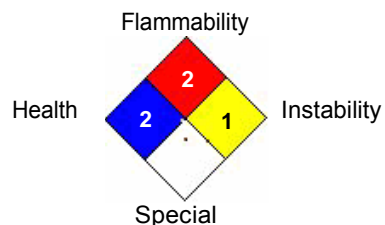
Section 16 - Other Information

Hazardous Material Information System (HMIS)

| | | |
|---------------------|---|---|
| HEALTH | | 2 |
| FLAMMABILITY | | 2 |
| PHYSICAL HAZARD | | 1 |
| PERSONAL PROTECTION | H | |

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

Exclusion of Warranties

Multi-Tech Products (the "company") makes no warranties, expressed or implied, in connection with the sale of (this) (these) product(s), and all implied warranties of merchantability and fitness for a particular purpose are excluded and shall not apply to goods sold.

The company's employees, agents, and/or representatives may have made oral statements about the merchandise sold. Such statements do not constitute warranties, and are not a part of the contract for sale of the goods sold. The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.