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SDS Number: EBP37-9B

CS HYBRID RESIN - Part B

Revision Date: 11/24/2015

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PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Product Name: CS Hybrid Ball Plug - Part B
Chemical Type: Polyurethane Polyol
Material Use: Component of a Polyurethane System
Supplier/Manufacturer: VISE
2237 Stagecoach Rd, Stockton, CA 95275

Emergency: 800.424.9300 (24 HOURS)

HAZARDS IDENTIFICATION

Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
Health, Serious Eye Damage/Eye Irritation, 2A

GHS Label elements, including precautionary statements

GHS Signal Word: WARNING

GHS Hazard Pictograms:



GHS Hazard Statements:

H319 - Causes serious eye irritation

GHS Precautionary Statements:

- P103 - Read label before use.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+313 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P352 - Wash with soap and water.
P362 - Take off contaminated clothing and wash before reuse.
P501 - Dispose of contents/container to a licensed waste disposal services provider.

Hazards not otherwise classified (HNOC) or not covered by GHS

Route of Entry: Eyes; Ingestion; Inhalation; Skin;
Target Organs: Eyes; Skin; Respiratory system;

Inhalation: Heating, spraying, foaming or otherwise mechanically dispersing operations may generate vapour or aerosol concentrations sufficient to cause irritation or other adverse effects. Minimal respiratory tract irritation may occur with exposure to a large amount of material.
Prolonged or repeated exposure can cause skin irritation or dermatitis in some individuals.
May cause watering of the eye and irritation of the conjunctiva.

NFPA: Health = 1, Fire = 0, Reactivity = 0, Specific Hazard = None
HMS III: Health = 1, Fire = 0, Physical Hazard = 0



COMPOSITION/INFORMATION ON INGREDIENTS

Table with 2 columns: CAS#, Chemical Name. Lists various chemical components like 1,2-Ethanediamine, polyurethane, etc.

FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility immediately.
Skin Contact: Remove all contaminated clothing and shoes. Wash skin with large quantities of water and soap. Wash clothing before wearing again and clean shoes. If redness, itching or a burning sensation develops or persists after the area is washed, consult a physician.
Eye Contact: Flush with large amounts of water for 15 minutes. Use fingers to assure that the eyelids are separated and that the eye is being irrigated. Get immediate medical attention.
Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. This material is an aspiration hazard. Never give anything by mouth to an unconscious person. Seek medical attention.

FIRE FIGHTING MEASURES

Flash Point: 277°F
Flash Point Method: COC
Dry powder, foam, carbon dioxide. Use cold water spray to cool fire exposed containers to minimize risk of rupture. A solid stream of water directed into hot burning liquid could cause frothing. If possible, contain fire run off.

ACCIDENTAL RELEASE MEASURES



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Spill: Remove all sources of flames, heating elements, gas engines, etc. Emergency clean-up personnel should wear chemical goggles, rubber or plastic gloves and clothing as required to protect against contact. Prevent spreading and contamination of surface waters and drinking supplies. Notify local health officials and other appropriate agencies if such contamination should occur.
Clean up: With adequate ventilation and appropriate personal protective equipment, cover the area with an inert absorbent material such as clay or vermiculite and transfer to steel waste containers. Ventilate area to remove the remaining vapors.

HANDLING AND STORAGE

Handling Precautions:

Do not smoke or use naked lights, open flames, space heaters or other ignition sources near pouring, frothing or spraying operations. If contamination with isocyanates is suspected, do not reuse containers. Special Emphasis for spray applications of mixed products containing isocyanates: inspect the application area for potential to expose other persons or for overspray to drift onto buildings, vehicles or other property. When spraying building exteriors, persons entering or exiting the building as well as those inside could be exposed to polyisocyanates due to wind conditions, open windows or air intakes. Do not begin application work until these potential problems have been corrected.

Storage Requirements:

When stored between 60°-85° F in sealed containers, typical shelf life is 6 months or more from the date of manufacture. Open containers must be handled properly to prevent moisture pickup.

EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Uses requiring heating and/or spraying may require more aggressive engineering controls or PPE.

Personal Protective Equipment:

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Splash contact Material: butyl-rubber
Minimum layer thickness: 0.3 mm Break through time: 30 min Material tested: Butoltec (KCL 897 / Aldrich 2677647, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 if used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 186(IEU).

Skin and body protection: Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to



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the concentration and amount of the dangerous substance at the specific workplace.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Poly[oxy(methyl)-1,2-ethanediy]]-, alpha-, alpha-', alpha''-1,2,3-propanetriyltris[omega-hydroxy-(25791-96-2) [9-20%] : no data available

2,2,4-Trimethyl-1,3-pentanediol diisobutylate (6846-50-0) [35-40%] : no data available

PHYSICAL AND CHEMICAL PROPERTIES

Table with 2 columns: Property and Value. Includes Appearance: Non-Pigmented liquid; Physical State: Liquid; Odor: Mild; Boiling Point: >500°F; Vapor Pressure: No data available; etc.

STABILITY AND REACTIVITY

Reactivity: No specific data
Chemical Stability: Product is stable under normal conditions
Conditions to Avoid: No specific data
Materials to Avoid: Oxidizing Materials
Hazardous Decomposition: Under normal storage conditions hazardous decomposition products should not be produced.
Hazardous Polymerization: Will not occur.

TOXICOLOGICAL INFORMATION

Poly[oxy(methyl)-1,2-ethanediy]]-, alpha-, alpha-', alpha''-1,2,3-propanetriyltris[omega-hydroxy-(25791-96-2) [9-20%]

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - > 69,632 mg/kg
Inhalation: no data available
LD50 Dermal - rabbit - > 21,760 mg/kg
Skin corrosion/irritation: no data available



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Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 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 IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional information:

RTECS: QR4325000

2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6946-50-0) [35-40%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - female - > 2,000 mg/kg

Inhalation: no data available

LD50 Dermal - rabbit - male and female - > 2,000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: No eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: Hamster ovary Result: negative

Carcinogenicity:

IARC: 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 IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or



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potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional information:

Repeated dose toxicity - rat - male - No observed adverse effect level - 150 mg/kg RTECS: SA1420000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

ECOLOGICAL INFORMATION

Poly[oxymethyl-1,2-ethanediyl], alpha..alpha., alpha., alpha., "1,2,3-propanetriyltris[omega.-hydroxy- (25791-96-2) (9-20%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PB/T and vPvB assessment PB/T/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (6946-50-0) [35-40%]

Information on ecological effects

Toxicity:

Toxicity to fish static test LC50 - Pimephales promelas (fathead minnow) - > 1.55 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to algae Growth inhibition EC50 - Selenastrum capricornutum (green algae) - > 7.49: mg/l - 72 h (OECD Test Guideline 201)

Persistence and degradability: Biodegradability aerobic - Exposure time 28 d Result: 70.73 % - Readily biodegradable. (OECD Test Guideline 301B) Remarks: The 10 day time window criterion is not fulfilled.



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Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

DISPOSAL CONSIDERATIONS

Disposal: Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material. Do not allow material to enter sewers, a body of water, or contact the ground. Refer to RCRA 40 CFR 261, and/or any other appropriate federal, state or local requirements for proper classification information.

TRANSPORT INFORMATION

Non DOT/Non RCRA Regulated

Non regulated by IATA, ICAO, IMDG

REGULATORY INFORMATION

Component (CAS#) [%] - CODES

1,2-Ethanediamine, polymer with methyloxirane (25214-63-5) [30-40%] TSCA

Poly[oxy(methyl-1,2-ethanediy)]-, alpha-hydro-omega-hydroxy-, ether with .beta.-D-fructofuranosyl-, alpha-D-glucopyranoside (9049-71-2) [14-21%] TSCA

Poly[oxy(methyl-1,2-ethanediy)]-, alpha-, alpha-, .alpha.-, .alpha.-, 1,2,3-propanetriyl[rs], omega-hydroxy-, (25791-96-2) [9-20%] TSCA

2,2,4-Trimethyl-1,3-pentanediol disobutylate (6846-50-0) [35-40%] TSCA

Regulatory Code Descriptions

TSCA = TOXIC SUBSTANCES CONTROL ACT



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OTHER INFORMATION

Disclaimer:

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