

Radiation Products Design Inc

MATERIAL SAFETY DATA SHEET

RPD INFORMATION

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RPD PRODUCT INFORMATION

RPD is an authorized distributor

| item Number | Description |
|-------------|------------------------------------|
| 486-405 | Super-Flex Bolus - 0.5cm x 35cm sq |
| 486-410 | Super-Flex Bolus - 1.0cm x 35cm sq |
| 486-415 | Super-Flex Bolus - 1.5cm x 35cm sq |
| 486-420 | Super-Flex Bolus - 2.0cm x 35cm sq |
| 486-425 | Super-Flex Bolus - 2.5cm x 35cm sq |
| 486-430 | Super-Flex Bolus - 3.0cm x 35cm sq |
| 486-440 | Super-Flex Bolus - 4.0cm x 35cm sq |

| SECTION 1 - CHEMICAL PRODU | JCT AND | COMPA | N/ | Y IDENTIF | ICATION | |
|--|----------------|---------------|--------------------------------------|-------------------|-----------------------------|--|
| Product Identifier Akton® Polymer Skinless Bolus | | | [HI | MIS Classific | ation] | |
| Product Use | | | | | | |
| Skin Protection During Radiation Therap | ру | | | | | |
| Restrictions on Use | | | | | | |
| None | | | | | | |
| - | | | treet Address | | | |
| Action Products, Inc. | | 954 Sv | vee | eney Drive | | |
| City | State | Zip Co | | | Emergency | |
| Hagerstown | Maryland | 21740 | | | Telephone (800) 424-9300 | |
| Date MSDS Prepared | MSDS Prep | | | | Phone Number | |
| 7/16/2014 D. Michelle Wi | | Williams | Villiams | | (301) 797-1414 | |
| SECTION 2 - HAZARDS IDENTIF | | | | | (CCT) TOTAL TOTAL | |
| No Signal Word Required | | | | | | |
| Classification of Substance/Mixture and | any Nationa | l or Reg | iona | al Informatior | า | |
| None – Non-hazardous ingredients are | proprietary. | | | | | |
| Label Elements and Precautionary Statement Other Hazards (e.g. "Dust Explosion Hazard" | | | Oust Explosion Hazard") | | | |
| None | | | | | | |
| SECTION 3 - COMPOSITION/INF | ORMATIC | | | | | |
| Chemical Identity | | | Common Name, Synonyms, etc. | | | |
| Akton® Viscoelastic Polymer | | | Akton® Polymer | | | |
| CAS Number Im | | Impurit | Impurities and Stabilizing Additives | | | |
| Non-hazardous under 29 CFR 1910.1200 None | | | | | | |
| SECTION 4 - FIRST AID MEASU | RES | • | | | | |
| Route of Entry Skin Contact Skin Ab | sorption Ey | ve Conta A | ct | Inhalation N/A | Ingestion N/A | |
| Symptoms/Effects and Medical Attentio | n/Special Tr | eatment | Ne | | | |
| Products have been in use for over 40 y | vears in the f | orm of w | vhe | elchair cushi | ons, bed pads, and | |
| operating room pads with no deleterious | | | | | , | |

| Emergency and | First Aid: Se | ek medical | assistanc | e if necessary | , | | |
|--|----------------|----------------|-------------|-------------------------------------|----------------|--------|------------------------|
| | | | | ITP- N/A IARC- N/A | | | |
| OSHA Regulated N/A | | | Sign | Sign and Symptoms of Exposure- None | | | |
| SECTION 5 - | FIRE FIGH | TING ME | ASURE | S | | | |
| Flammable | | | If yes, und | der which cond | ditions? | | |
| Yes No | o X | | | | | | |
| Specific Hazard | ls Arising fro | m Chemical | (e.g. natu | re of any haza | ardous com | oustic | on products) |
| Toxic and irritat | ing gases/fur | nes may be | given off | during burning | or thermal | decor | mposition. |
| Special Protecti | ve Equipmer | nt and Preca | utions for | Firefighters | | | |
| | | | | | | | |
| Emergency equ | | | | | should be wo | orn. | |
| SECTION 6 - | | | | <u>EASURES</u> | | - | |
| Personal Preca | | tective Equi | ipment | Emergency F | Procedures | | ronmental |
| N/A | N/A | \ | | N/A | | | cautions |
| Mathada and M | atariala far O | | and Class | ain a I In | | N/A | |
| Methods and M | aterials for C | ontainment | and Clear | iing Op | | | |
| If molten, allow material to cool and place into an appropriate marked container for disposal. | | | | | | | |
| SECTION 7 - HANDLING AND STORAGE | | | | | | | |
| Precautions for Safe Handling: | | | | | | | |
| 1 10000010113 101 | Care Harram | ıg. | | | | | |
| Handle in accor | dance with g | ood industri | al hygiene | and safety pr | actices. Pro | ducts | will not spill or leak |
| In the event the | material lose | es its oily te | xture, whit | e mineral oil r | nay be appl | ied to | the surface. |
| Products are no | ot adversely a | affected by t | emperatu | res in the rang | ge of -40 to 2 | 212°F | <u>:</u> |
| Conditions for Safe Storage, including any Incompatibilities | | | | | | | |
| | | | | | | | |
| Store out of dire | | e. Products | are sensi | tive to ultravio | let light. | | |
| Waste Disposal Method: | | | | | | | |
| Dispose in accordance with all federal, state and local requirements | | | | | | | |
| Dispose in accordance with all federal, state and local requirements | | | | | | | |
| SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION Control Parameters (e.g. occupational exposure limits, biological exposure limits, etc.) | | | | | | | |
| Control Parame | ters (e.g. oct | зиранопат е | xposure iii | rriits, biologica | ii exposure i | mms, | eic.) |
| Contains no sul | ostances with | occupation | nal exposu | ire values | | | |
| Appropriate Eng | | | oxpoot | | | | |
| N/A | | | | | | | |
| Individual Protection Measures (Personal Protective Equipment, etc) | | | | | | | |
| Gloves | Respirator | Eye | Fo | otwear | Clothing | | Other |
| N/A | N/A | N/A | N/A | 4 | N/A | ļ | N/A |
| | | | | | | | |

| | | dealion Date 7-10-2014 version i |
|--|------------------------------------|---------------------------------------|
| If Checked, please specify type | | |
| None required during use and ha | ndling | |
| SECTION 9 - PHYSICAL A | ND CHEMICAL DROBEDTI | ES |
| | _ | |
| Appearance (<i>Physical State, color,</i> | Odor | Odor Threshold (ppm) |
| etc.) | Slight Musty Odor | N/A |
| Viscoelastic Polymer | | |
| рН | Melting Point/Freezing Point (° F) | Boiling Point and Boiling Range (° F) |
| N/A | 300 °F / NA | N/A |
| Flashpoint (° F) and Method | Evaporation Rate | Flammability (solid, gas) |
| N/A | N/A | N/A |
| Upper and Lower Flammability (% t N/A | by volume) Explosive Limits N/A | |
| Vapor Pressure (<i>mmHg</i>) | Vapor Density (air=1) | Relative Density |
| N/A | N/A | 1.03 g/cc |
| Autoignition Temperature (° F) | Decomposition Temperature (° F) | Viscosity |
| N/A | 300 ° F | N/A |
| SECTION 10 - STABILITY | | - |
| Reactivity, and under what condi | | |
| Reactivity, and under what condi | uon: | |
| Only in some of fines highly taxing | | |
| | | nal decomposition and combustion. |
| Chemical Stability? X Ye | es No | |
| | | |
| If no, under which conditions? | | |
| Possibility of Hazardous Reaction | ns | |
| | | |
| Products have been use for over | 45 years in the form of wheelch | air cushions, bed pads and |
| operating room pads with no dele | | |
| Conditions to avoid (e.g. static di | | .cu. |
| | scriarge, snock, or vibration) | |
| Nicola IZ | | |
| None Know | | |
| Incompatibility with Other Substa | nces Yes No | X |
| | | |
| Substances If yes, which ones? | | |
| Hazardous Decomposition Produ | ıcts | |
| | | |
| By Fire and Thermal Decomposit | ion: Carbon dioxide: hydrogen cy | vanide: 4 4'-dinhenylmethane |
| | | oxides (Nox), hydrocarbons, other |
| | arbori morioxide, mines, mirogen | oxides (Nox), riyarocarboris, orrer |
| potentially toxic fumes | | |
| SECTION 44 TOYICOLOG | CICAL INCODMATION | |
| SECTION 11 - TOXICOLOG | · | |
| Inhalation | Ingestion | |
| No data available for this product | No data availal | ole for this product |

| Skin Contact | Eye Contact | | | |
|--|--|--|--|--|
| No data available for this product | No data available for this product | | | |
| SECTION 12 - ECOLOGICAL INFORMAT | TION | | | |
| Ecotoxicity (aquatic and terrestrial, where available) | Persistence and Degradability | | | |
| No data available for this product | No data available for this product | | | |
| Bioaccumulative Potential | Mobility in Soil | | | |
| | | | | |
| No data available for this product | No data available for this product | | | |
| Other Adverse Effects | | | | |
| No data available for this product | | | | |
| SECTION 13 - DISPOSAL CONSIDERAT | IONS | | | |
| Waste Disposal | | | | |
| | | | | |
| Waste disposal should be in accordance with exist | ing federal, state and local environmental control | | | |
| laws. | | | | |
| SECTION 14 - TRANSPORT INFORMATION | | | | |
| UN Number / UN Proper | Shipping Name | | | |
| Non-regulated/ Non-regulated | Soft Rubber Medical Product | | | |
| Transport Hazard Class(es) | Packing Group (if applicable) | | | |
| | | | | |
| Non-regulated / Non- hazardous | Non-regulated | | | |
| Environmental Hazards (e.g.: Marine Pollutant | Transport in Bulk (according to Annex II of the | | | |
| Yes/No) N | MARPOL 73/78 and the IBC Code) | | | |
| | , | | | |
| Non-regulated | Non-regulated | | | |
| Special Precautions user needs to be aware of/co | mply with in relation with transport or conveyance | | | |
| None | | | | |
| SECTION 15 - REGULATORY INFORMA | TION | | | |
| WHMIS Classification] [OSHA] | Flammability 0 | | | |
| Health 0 Non-hazardous | Non-hazardous under Section 311/312 | | | |
| [TSCA] | | | | |
| Physical Hazard 0 Excluded: Article | 0 0 | | | |

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May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200 and UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS). These standards must be consulted for specific requirements.

SECTION 16 - OTHER INFORMATION

State Right-To-Know Information - the following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements.