



Safety Data Sheet

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Product identifier

3M™ Scotch-Weld™ Epoxy Adhesive DP190 Gray

ID Number(s):

62-3553-1430-3, 62-3553-1432-9, 62-3553-1435-2, 62-3553-1436-0, 62-3553-1437-8, 62-3553-1438-6, 62-3553-1439-4, 62-3553-3530-8, 62-3553-3830-2

7010366135, 7100077115, 7100076722, 7000121314, 7010366136, 7010409744, 7010410438, 7100216772

Recommended use

Structural adhesive

Supplier's details

MANUFACTURER:	3M
DIVISION:	Industrial Adhesives and Tapes Division

ADDRESS:	3M Center, St. Paul, MN 55144-1000, USA
Telephone:	1-888-3M HELPS (1-888-364-3577)

Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet (SDS), Article Information Sheet (AIS), or Article Information Letter (AIL) for each of these components is included. Please do not separate the component documents from this cover page. The document numbers for components of this product are:

10-3348-9, 10-3349-7

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Document Group: 10-3348-9
Issue Date: 09/08/26

Version Number: 33.05
Supersedes Date: 07/01/25

SECTION 1: Identification

1.1. Product identifier

3M(TM) Scotch-Weld(TM) Epoxy Adhesive DP190 Gray, Part B

1.2. Recommended use and restrictions on use

Recommended use

Structural adhesive

1.3. Supplier's details

MANUFACTURER: 3M
DIVISION: Industrial Adhesives and Tapes Division
ADDRESS: 3M Center, St. Paul, MN 55144-1000, USA
Telephone: 1-888-3M HELPS (1-888-364-3577)

1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification

Serious Eye Damage/Irritation: Category 2B.

Skin Sensitizer: Category 1.

2.2. Label elements

Signal word

Warning

Symbols

Exclamation mark |

Pictograms



Hazard Statements

Causes eye irritation.
May cause an allergic skin reaction.

Precautionary statements**Prevention:**

Avoid breathing vapors.
Wash exposed skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.

Response:

IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists or if skin irritation or rash occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.

Disposal:

Dispose of contents and container in accordance with applicable local, regional, national, and international regulations.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Epoxy Resin	25068-38-6	60 - 80 Trade Secret *
Kaolin	1332-58-7	10 - 30 Trade Secret *
titanium Dioxide	13463-67-7	0.1 - 1 Trade Secret *

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation:**

Remove person to fresh air. If you feel unwell, get medical attention.

Skin Contact:

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye Contact:

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Allergic skin reaction (redness, swelling, blistering, and itching).

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Aldehydes	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion
Hydrogen Chloride	During Combustion
Ketones	During Combustion

5.3. Special protective actions for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

Store away from acids. Store away from oxidizing agents.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limits**

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
Inert or Nuisance Dust, Respirable fraction	1332-58-7	OSHA	TWA(as total dust):50 millions of particles/cu. ft.(15 mg/m ³);TWA(respirable fraction):15 millions of particles/cu. ft.(5 mg/m ³)	
Kaolin	1332-58-7	ACGIH	TWA(respirable fraction):2 mg/m ³	A4: Not class. as human carcin
KAOLIN, RESPIRABLE FRACTION	1332-58-7	OSHA	TWA(as total dust):15 mg/m ³ ;TWA(respirable fraction):5 mg/m ³	
titanium Dioxide	13463-67-7	ACGIH	TWA(Respirable nanoscale particles):0.2 mg/m ³ ;TWA(Respirable finescale particles):2.5 mg/m ³	A3: Confirmed animal carcin.
titanium Dioxide	13463-67-7	OSHA	TWA(as total dust):15 mg/m ³	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

8.2. Exposure controls**8.2.1. Engineering controls**

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)**Eye/face protection**

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety Glasses with side shields

Indirect Vented Goggles

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

For prolonged or repeated contact, gloves made from the following material(s) are recommended (breakthrough times are >4 hours): Butyl Rubber, Nitrile Rubber, Polymer laminate

Any glove recommended for prolonged/repeated contact is also suitable for short-term/splash contact.

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

Half facepiece or full facepiece supplied-air respirator

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Specific Physical Form:	Viscous
Color	White
Odor	Mild Epoxy
Odor threshold	No Data Available
pH	Not Applicable
Melting point	Not Applicable
Boiling Point	Not Applicable
Flash Point	>=248 °C [Test Method:Pensky-Martens Closed Cup]
Evaporation rate	Not Applicable
Flammability	Not Applicable
Flammable Limits(LEL)	Not Applicable
Flammable Limits(UEL)	Not Applicable
Vapor Pressure	<=0.1 mmHg [@ 25 °C]
Relative Vapor Density	Not Applicable
Density	1.33 g/ml
Relative Density	1.33 [Ref Std:WATER=1]
Solubility in Water	Nil
Solubility- non-water	No Data Available
Partition coefficient: n-octanol/ water	No Data Available
Autoignition temperature	Not Applicable
Decomposition temperature	No Data Available
Kinematic Viscosity	75,200 mm ² /sec
Hazardous Air Pollutants	0 % weight [Test Method:Calculated]
Molecular weight	No Data Available
VOC Less H ₂ O & Exempt Solvents	< 5 g/l [Test Method:calculated SCAQMD rule 443.1] [Details:when used as intended with Part A]
VOC Less H ₂ O & Exempt Solvents	0 g/l [Test Method:calculated SCAQMD rule 443.1] [Details:as supplied]
VOC Less H ₂ O & Exempt Solvents	< 0.5 % [Test Method:calculated SCAQMD rule 443.1]

[Details: when used as intended with Part B]

Particle Characteristics

Not Applicable

SECTION 10: Stability and reactivity**10.1. Reactivity**

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature exothermic reaction with production of intense heat and smoke.

10.5. Incompatible materials

Strong acids

Strong oxidizing agents

10.6. Hazardous decomposition products**Substance****Condition**

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects**Signs and Symptoms of Exposure**

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Carcinogenicity:

Ingredient	CAS No.	Class Description	Regulation
Titanium dioxide	13463-67-7	Grp. 2B: Possible human carc.	International Agency for Research on Cancer

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Epoxy Resin	Dermal	Rat	LD50 > 1,600 mg/kg
Epoxy Resin	Ingestion	Rat	LD50 > 1,000 mg/kg
Kaolin	Dermal		LD50 estimated to be > 5,000 mg/kg
Kaolin	Ingestion	Human	LD50 > 15,000 mg/kg
titanium Dioxide	Dermal	Rabbit	LD50 > 10,000 mg/kg
titanium Dioxide	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 6.82 mg/l
titanium Dioxide	Ingestion	Rat	LD50 > 10,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Epoxy Resin	Rabbit	Mild irritant
Kaolin	Professional judgement	No significant irritation
titanium Dioxide	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Epoxy Resin	Rabbit	Moderate irritant
Kaolin	Professional judgement	No significant irritation
titanium Dioxide	Rabbit	No significant irritation

Skin Sensitization

Name	Species	Value
Epoxy Resin	Human and animal	Sensitizing
titanium Dioxide	Human and animal	Not classified

Respiratory Sensitization

Name	Species	Value
Epoxy Resin	Human	Not classified

Germ Cell Mutagenicity

Name	Route	Value
Epoxy Resin	In vivo	Not mutagenic
Epoxy Resin	In Vitro	Some positive data exist, but the data are not sufficient for classification
titanium Dioxide	In Vitro	Not mutagenic
titanium Dioxide	In vivo	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Epoxy Resin	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
Kaolin	Inhalation	Multiple animal species	Not carcinogenic
titanium Dioxide	Ingestion	Multiple animal species	Not carcinogenic
titanium Dioxide	Inhalation	Rat	Carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
Epoxy Resin	Ingestion	Not classified for female reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
Epoxy Resin	Ingestion	Not classified for male reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
Epoxy Resin	Dermal	Not classified for development	Rabbit	NOAEL 300 mg/kg/day	during organogenesis
Epoxy Resin	Ingestion	Not classified for development	Rat	NOAEL 750 mg/kg/day	2 generation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Epoxy Resin	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Epoxy Resin	Dermal	liver	Not classified	Rat	NOAEL 1,000 mg/kg/day	2 years
Epoxy Resin	Dermal	nervous system	Not classified	Rat	NOAEL 1,000 mg/kg/day	13 weeks
Epoxy Resin	Ingestion	auditory system	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Epoxy Resin	Ingestion	heart	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Epoxy Resin	Ingestion	endocrine system	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Epoxy Resin	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 1,000	28 days

					mg/kg/day	
Epoxy Resin	Ingestion	liver	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Epoxy Resin	Ingestion	eyes	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Epoxy Resin	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Kaolin	Inhalation	pneumoconiosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL NA	occupational exposure
Kaolin	Inhalation	pulmonary fibrosis	Not classified	Rat	NOAEL Not available	
titanium Dioxide	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 0.01 mg/l	2 years
titanium Dioxide	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not available	occupational exposure

Aspiration Hazard

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information**Ecotoxicological information**

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

Chemical fate information

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

SECTION 13: Disposal considerations**13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

EPA Hazardous Waste Number (RCRA): Not regulated

SECTION 14: Transport Information

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information

15.1. US Federal Regulations

Contact 3M for more information.

EPCRA 311/312 Hazard Classifications:

Physical Hazards

Not Applicable.

Health Hazards

Respiratory or Skin Sensitization

Serious eye damage or eye irritation

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact 3M for more information.

15.4. International Regulations

Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: Other information

NFPA Hazard Classification

Health: 2 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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4 aHrd Stateu ents

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Precaf tionary stateu ents

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 KCB WRWF: k gnse cau,gnuslr wgt wa,ei fpi seveial mgu,es. k empve cpn,ac, lenses2gf yiesen, and easr ,p dp.
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42216-7igFa,iglecane-12I C-x gamgne	4043-I 1-8	6.I - I 7iade Tecie, *
7gangum x gEgle	1C43C-39-9	Vq 6.5
7pluene	165-55-C	Vq 6.I

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Inhalation

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FOOndicationmogany iu u ediate u edical attentionand special treatu ent rekf ired

Bp, ayylgable

SEI TbCV qnUire-gj6htin6 u easf res

qOOf itaNe extin6f ishin6 u edia

Gn case pf fge: Nse a fge fght ,gnh ahen, sugable fpi pidgnair cpmbus,gble ma,eigal suct as wa,ei pi fpam ,p eE,ghugt .

qOOSpecial haHrds arisin6 grou the sf Nstance or u ixtf re

Bpne gnt eien, gn ,t g yipduc,.

4 aHrdof s Decou positionor 5 y-Prof dcts

Sf Nstance

Amgne o pmyunds
o aibpn mnpnEgle
o aibpn dgpEgle
F Egles pf Bgiphen
7pEg; aypi2P as2Dai,gula,e

I ondition

x uigh o pmbus,gpn
x uigh o pmbus,gpn
x uigh o pmbus,gpn
x uigh o pmbus,gpn
x uigh o pmbus,gpn

qOOSpecial protective actions gor gre-gj6hters

S eai full yip,ec,gye clp,t gnh2gcludgnh t elme,2self-cpn,agned2ypsggye yiessuie pi yiessuie demand biea,t gnh ayyaia,us2 bunLei cpa, and yan,s2bands aipund aims2wags, and lehs2face masL2and yip,ec,gye cpveighn fpi eEypsed aieas pf ,t e t ead.

SEI TbCV 2nAccidental release u easf res

2OOPersomal precaf tions, protective ekf ipu ent and eu er6enry procedf res

Wacua,e aiea. ; en,gae ,t e aiea wgt fiest ag. Kpi laihe sygl2pi sygls gn cpnfnged syaces2yipvgle mect angal ven,gd,gpn ,p dgyeise pi eEt aus, vaypis2gn accpidance wgt hppd gndus,igal t r hgne yiac,ge. Nse yeispnal yip,ec,gye e' ugymen, based pn ,t e iesul,s pf an eEypsuie assessmen,. k efei ,p Tec,gpn 5 fpi DDWiecpmmenda,gns. G an,ggya,ed eEypsuie iesul,gnh fipm an accglen,al ilease eEceeds ,t e yip,ec,gye cayabdgges pf ,t e DDWlgs,ed gn Tec,gpn 52pi aie unLnpwn2selec, DDW,t a, pffeis an ayyipyig,e level pf yip,ec,gpn. o pnsigdei ,t e yt r sgal and ct emgal t azais pf ,t e ma,eigal wt en dpgnh sp. WEamyles pf DDWensembles fpi emeihencr iesypnse cpuld gclude weaighn bunLei heai fpi a ilease pf

flammable material, it can be used for bonding of metal parts, and it is not recommended for use on plastic parts. The adhesive is not recommended for use on plastic parts. The adhesive is not recommended for use on plastic parts. The adhesive is not recommended for use on plastic parts.

2.0 Environmental precautions

Avppl release, p, t e envgnmen,. Kpi laihei syglscpvei diags and bugd dles, p yieven, en,ir gn, p sewei sr s, ems pi bpdgs pf wa, ei.

2.0 Methods and material for containment and cleaning

opn, agn sygl. S piLgn fipm aipund, t e edhes pf, t e sygl gnwaid2cpvei wgt ben, png2veimgulge2pi cpmmeicallr avagable gnpihang absipben, ma, eial. Mg gn suffggn, absipben, un, g g ayyeais dir. k emembei2addgnh an absipben, ma, eial dpes np, iempve a yt rsgal2t eal, t 2pi envgnmen, al t azaid. o pplec, as muct pf, t e syglled ma, eial as ypssgle. Dace gn a clpsd cpn, agnei ayyipved fpi, iansypi, a, gn br ayyipyig, e au, t piggs. o lean uy iesglue wgt an ayyipyig, e splven, selec, ed br a ' ualfgd and au, t piged yeispn. ; en, ga, e, t e aiea wgt fiest ag. k ead and flplpw safe, r yiecau, gns pn, t e splven, label and Tx T. Teal, t e cpn, agnei. x gypse pf cpllec, ed ma, eial as sppn as ypssgle gn accpidance wgt ayylgable lpcal/iehgnal/na, gnal/gn, eina, gnal iehula, gns.

SEI TbCV 7n4 andlin6 and stora6e

7.0 Precautions for safe handling

Kpi gndus, igal/pccuya, gnal use pnlr. Bp, fpi cpnsume sale pi use. x p np, t andle un, g all safe, r yiecau, gns t ave been iead and undeis, ppd. x p np, biea, t e dus, /fume/has/mgs, /vaypis/syar. x p np, he, gn eres2pn sLgn2pi pn clp, t gn. x p np, ea, 2dignL pi smple wt en usgn, t g yipduc,. S ast, t pipuht lr af, ei t andlgn. opn, amga, ed wpiL clp, t gn st puld np, be allpwed pu, pf, t e wpiLylace. Avppl release, p, t e envgnmen,. S ast cpn, amga, ed clp, t gn befpie ieuse. Avppl cpn, ac, wgt pEglggnh ahen, s (eh. ct lpigne2ct ipmg acgl e, c.) Nse yeispnal yip, ec, gve e' ugmen, (hlpves2 iesyga, pis2e, c.) as ie' uged.

7.0 Conditions for safe storage inelf din6 any incou patiNlities

T, pie gn a well-ven, ga, ed ylace. Yeey cpn, agnei, ght, lr clpsd. T, pie awar fipm pEglggnh ahen, s.

SEI TbCV / nExposf re controlsPersonal protection

/ 0.0 Control parau eters

Cccf patioma l exposf re liu its

G a cpmypnen, g dscpsd gn sec, gn Cbu, dpes np, ayyeai gn, t e, able belpw2an pccuya, gnal eEypsuie lngg gn np, avagable fpi, t e cpmypnen,.

Ingredient	ICSC No	Agency	Exposure type	Additional Information
7pluene	165-55-C	AOPU	7S A:06 yym	A4: Bp, class. as tuman caicgn2F, p, pEgan,
7pluene	165-55-C	F TUA	7S A:066 yym> WH: C66 yym	
Mei, pi Bugance x us, 2 k esygable fiac, gn	1CC0-I 5-9	F TUA	7S A(as, p, al dus,): I 6 mglgns pf yai, gles/cu. f. (I 1 mh/mC) 7S A(iesygable fiac, gn): I 1 mglgns pf yai, gles/cu. f. (I 1 mh/mC)	
Yaplgn	1CC0-I 5-9	AOPU	7S A(iesygable fiac, gn): 0 mh/mC	A4: Bp, class. as tuman caicgn
YAF HCB2k WTDk A HW Kk Ao 7FB	1CC0-I 5-9	F TUA	7S A(as, p, al dus,): I 1 mh/mC 7S A(iesygable fiac, gn): I 1 mh/mC	
7gangum x gEgle	1C43C-39-9	AOPU	7S A(k esygable nanpscale yai, gles): 6.0 mh/mC 7S A(k esygable	AC: o pnfgmed angnal caicgn.

			fmesc scale yai, gles):0.I mh/mC	
7 gangum x gEgle	1C43C-39-9	F TUA	7S A(as ,p,al dus,):1I mh/mC	

Ao P (U) : Ameigan o pnfeience pf P pveinmen,al Gidus,igal Ur hgngs,s
 A (U)A : Ameigan Gidus,igal Ur hgne Asspcga,gn
 o Mk P : ot emgal Manufac,uiet s k ecpmmeded P uglel gnes
 F TUA : Nnged T,a,es x eyai,men, pf Habpi - F ccuya,gnal Tafe,r and Ueal,t Admgngs,ia,gn
 7S A: 7 gne-S eght,ed-Aveiahe
 T7 WH: Tt pi, 7eim WEypsuie Hngg
 o WH: o eggnh

/ 8CExposf re controls

/ 80CEn6ineerint6 controls

Nse heneial dgu,gn ven,ga,gn and/pi lpcal eEt aus, ven,ga,gn ,p cpn,ipl agbpine eEypsuies ,p belpw ielevan, WEypsuie Hnggs and/pi cpn,ipl dus,/fume/has/mgs,/vaypis/syiar . G ven,ga,gn g np, ade' ua,e2use iesyga,pir yip,ec,gn e' ugmen,.

/ 80CPersomal protective ekf ipu ent (PPE)

Eye/face protection

Telec, and use er e/face yip,ec,gn ,p yieven, cpn,ac, based pn ,t e iesul,s pf an eEypsuie assessmen,. 7t e fpllpwgnh er e/face yip,ec,gn(s) aie iecpmmeded:
 Tafe,r P lasses wgt sgle st glds
 Gidgac, ; en,ed P phhles

S%nhand protection

Telec, and use hlpves and/pi yip,ec,gve clp,t gnh ayyipved ,p ielevan, lpcal s,andaids ,p yieven, sLgn cpn,ac, based pn ,t e iesul,s pf an eEypsuie assessmen,. Telec,gn st puld be based pn use fac,pis suct as eEypsuie levels2cpncen,ia,gn pf ,t e subs,ance pi mgE,uiet2fie' uencr and duia,gn2yt r sgal ct allenhes suct as ,emyeia,uiet eE,iemes2and p,t ei use cpndggnns. o pnsul, wgt r pui hlpve and/pi yip,ec,gve clp,t gnh manufac,uiet fpi selec,gn pf ayyipyiga,e cpmya,gle hlpves/yip,ec,gve clp,t gnh. Bp,e: Bgige hlpves mar be wpin pvei yplr mei lamga,e hlpves ,p gnyipve deE,eigr .

P lpves made fipm ,t e fpllpwgnh ma,eigal(s) aie iecpmmeded: Dplr mei lamga,e

G,t g yipduc, g used gn a mannei ,t a, yiesen,s a t ght ei yp,en,gal fpi eEypsuie (e.h.2syiar gnh2t ght sylast yp,en,gal2e,c.)2 ,t en use pf a yip,ec,gve ayipn mar be necessair . Tee iecpmmeded hlpve ma,eigal(s) fpi de,eimgn gnh ayyipyiga,e ayipn ma,eigal(s). G a hlpve ma,eigal g np, avagable as an ayipn2yplr mei lamga,e g a sugable py,gn.

. espiratory protection

An eEypsuie assessmen, mar be needed ,p decgle gf a iesyga,pi g ie' uged. G a iesyga,pi g needed2use iesyga,pis as yai, pf a full iesyga,pir yip,ec,gn yiphiam. | ased pn ,t e iesul,s pf ,t e eEypsuie assessmen,2selec, fipm ,t e fpllpwgnh iesyga,pi ,r ye(s) ,p ieduce gnt ala,gn eEypsuie:
 Ualf faceygce pi full faceygce ag-yuigf gnh iesyga,pi sugable fpi pihang vaypis and yai,gula,es
 Ualf faceygce pi full faceygce suyylgd-ag iesyga,pi

Kpi ' ues,gnns abpu, sugabggr fpi a syecfg ayylga,gn2cpnsul, wgt r pui iesyga,pi manufac,uiet.

SEI TbCV 9nPhysical and cheu ical properties

90Cngoru atiomomNasic physical and cheu ical properties

Physical state	Hg ugd
Specigic Physical Uoru n	; gscpus Hg ugd
I olor	P iar
Cdor	Mpdeia,e Amgne

Cd or threshold	No Data Available
p4	Not Applicable
Melting point	Not Applicable
5 oiling Point	° 9016 [K
Ulashing Point	° 984 [o] <i>Test Method:</i> o lpsed o uy<
Evaporation rate	Behlghble
Ula u aNility	Bp, Ayylgable
Ula u aNe z iu its(z Ez)	No Data Available
Ula u aNe z iu its(' Ez)	No Data Available
: apor Pressf re	Vq6.1 mmUh]@ 0I [o <
. elative : apor Density	Not Applicable
Density	1.03 h/ml]@ 06 [o <
. elative Density	1.03] <i>Ref Std:</i> S A7 Wk q1<
Solf Nility imWater	Bg
Solf Nility- mmLater	No Data Available
PartitiomcoefficientnmoctammlBLater	No Data Available
Af toi6nitiomteu peratf re	No Data Available
Decou positiomteu peratf re	No Data Available
Kineu atic : iscosity	49218 mm0/sec
4 aHrdof s Air Pollf tants	V6 % wegt ,] <i>Test Method:</i> o alcula,ed<
Molecf lar Leight	No Data Available
: CI z ess 4 8C & Exeu pt Solvents	VI h/l] <i>Test Method:</i> calcula,ed To AQMx iule 44C.1<]Details:wt en used as gn,ended wgt Dai, <
: CI z ess 4 8C & Exeu pt Solvents	V9 h/l] <i>Test Method:</i> calcula,ed To AQMx iule 44C.1<]Details:as suyylgd<
: CI z ess 4 8C & Exeu pt Solvents	V6.1 %] <i>Test Method:</i> calcula,ed To AQMx iule 44C.1<]Details:wt en used as gn,ended wgt Dai, <
article I haracteristics	Not Applicable

SEI TbCV 10nStaNility and reactivity

100Q eactivity

7 t g ma,eigal mar be ieac, gve wgt cei, agn ahen, s undei cei, agn cpndg gons - see, t e iemagngh t eadghs gn, t g sec, gn.

10.8.1 heu ical staNility

Table.

103 Possibility of hardof's reactions

Uazaidpus yplr meigza, gn wgl np, pccui.

1000 conditions to avoid

Uea, g heneia,ed duigh cuie. x p np, cuie a mass laihei ,t an I 6 hiams g a cpnfged syace ,p yieven, a yiema,uie eEp,t eimg
ieac,gn wgt yipduc,gn pf g,ense t ea, and smpLe.

1000 Common patient materials

T,ipnh pEgdzgnh ahen,s

10004 aHrdof s decou positionprod f cts

Sf Nstamce

Bpne Lnpwn.

Condition

k efei ,p sec,gpn I.0 fpi t azaidpus decpmypsg gpn yipduc,s dui gh cpmbus,gpn.

SEI TbCV 11n Toxicological information

The information below is not necessarily consistent with the material classification in Section 8 of the product label. The information is based on the results of the toxicological data on the ingredients. The information is not intended to be used as a basis for the classification of the product. The information is not intended to be used as a basis for the classification of the product. The information is not intended to be used as a basis for the classification of the product.

1100n Toxicological effects

Signs and Symptoms of Exposure

Based on test data and the information on the components, this material may produce the following health effects:

Inhalation

Key signs and symptoms: Irritation of the respiratory tract, including the nose, throat, and lungs. May cause difficulty breathing, coughing, and wheezing. May cause irritation of the eyes, nose, and throat. May cause irritation of the skin.

Skin Contact

Key signs and symptoms: Irritation of the skin, including redness, swelling, and itching. May cause dryness and cracking of the skin. May cause irritation of the eyes, nose, and throat. May cause irritation of the skin.

Eye Contact

Key signs and symptoms: Irritation of the eyes, including redness, swelling, and itching. May cause tearing and pain. May cause irritation of the eyes, nose, and throat. May cause irritation of the skin.

Ingestion

May be harmful if swallowed. Key signs and symptoms: Irritation of the gastrointestinal tract, including nausea, vomiting, and diarrhea. May cause difficulty breathing, coughing, and wheezing. May cause irritation of the eyes, nose, and throat. May cause irritation of the skin.

Additional Health Effects

Single exposure may cause target organ effects

Organic compounds (OBT) may cause target organ effects. Key signs and symptoms: Irritation of the respiratory tract, including the nose, throat, and lungs. May cause difficulty breathing, coughing, and wheezing. May cause irritation of the eyes, nose, and throat. May cause irritation of the skin.

Reproductive/Developmental Toxicity

Organic compounds may cause reproductive and developmental toxicity. Key signs and symptoms: Irritation of the respiratory tract, including the nose, throat, and lungs. May cause difficulty breathing, coughing, and wheezing. May cause irritation of the eyes, nose, and throat. May cause irritation of the skin.

Environmental Toxicity

Ingredient	AS VoO	Class Description	Classification
7-gangum dpgEgle	1C43C-39-9	Poly. 01 : Dpsgble tuman caic.	Ch, eina, gonal Ahencr fpi k eseaict pn o ancei

Additional Information

Dispense in airtight container. Do not use if the container is damaged or the seal is broken. Do not use if the product is expired.

Toxicological Data

For a complete list of ingredients, see the product label. Key signs and symptoms: Irritation of the respiratory tract, including the nose, throat, and lungs. May cause difficulty breathing, coughing, and wheezing. May cause irritation of the eyes, nose, and throat. May cause irritation of the skin.

Acute Toxicity

Value	Route	Species	Reference
Fei all yipduc,	Oral		Bp da, a avagable>calcula, ed A7 W° I X66 mh/Lh
Fei all yipduc,	Inhalation		Bp da, a avagable>calcula, ed A7 W° 0 X66 - qI X66 mh/Lh

Algt a, g Dplr mei x gamgne	x eimal	k a,	Hx 16 ° 02666 mh/Lh
Algt a, g Dplr mei x gamgne	Ghes, gpn	k a,	Hx 16 ° 02666 mh/Lh
Yaplgn	x eimal		Hx 16 es, gna, ed .p be ° 12666 mh/Lh
Yaplgn	Ghes, gpn	Uuman	Hx 16 ° 112666 mh/Lh
42216-7i pEa, iglecane-121C-x gamgne	x eimal	k abbg	Hx 16 ° 0201 mh/Lh
42216-7i pEa, iglecane-121C-x gamgne	Ghes, gpn	k a,	Hx 16 ° 0216 mh/Lh
7pluene	x eimal	k a,	Hx 16 ° 102666 mh/Lh
7pluene	Gt ala, gpn- ; aypi (4 t puis)	k a,	Ho 16 ° C6 mh/l
7pluene	Ghes, gpn	k a,	Hx 16 ° 1216 mh/Lh
7gangum x pEgle	x eimal	k abbg	Hx 16 ° 162666 mh/Lh
7gangum x pEgle	Gt ala, gpn- x us, /Mg, (4 t puis)	k a,	Ho 16 ° 3.50 mh/l
7gangum x pEgle	Ghes, gpn	k a,	Hx 16 ° 162666 mh/Lh

A7Wq acu, e ,pEggr es, gna, e

S%ml orrosionBritatiom

Vau e	Species	: alf e
Algt a, g Dplr mei x gamgne	k a,	Gigan,
Yaplgn	Dpfessgnal judhemen,	Bp shngfgan, giga, gpn
42216-7i pEa, iglecane-121C-x gamgne	k abbg	o piipsge
7pluene	k abbg	Gigan,
7gangum x pEgle	k abbg	Bp shngfgan, giga, gpn

Seriof s Eye Dau a6eBritatiom

Vau e	Species	: alf e
Algt a, g Dplr mei x gamgne	Gvgipda, a	Teveie gigan,
Yaplgn	Dpfessgnal judhemen,	Bp shngfgan, giga, gpn
42216-7i pEa, iglecane-121C-x gamgne	k abbg	o piipsge
7pluene	k abbg	Mpdeia, e gigan,
7gangum x pEgle	k abbg	Bp shngfgan, giga, gpn

S%ml Sensitihtiom

Vau e	Species	: alf e
Algt a, g Dplr mei x gamgne	Pugnea ygh	Tensgggnh
42216-7i pEa, iglecane-121C-x gamgne	Dpfessgnal judhemen,	Tensgggnh
7pluene	Pugnea ygh	Bp, classfged
7gangum x pEgle	Uuman and angnal	Bp, classfged

. espiatory Sensitihtiom

Kpi , t e cpmypnen, /cpmypnen, s2egt ei np da, a aie cuiien, lr avagable pi , t e da, a aie np, suffggn, fpi classfgga, gpn.

Geru I ell Mf ta6enicity

Vau e	. of te	: alf e
-------	---------	---------

Algt a,g Dplr mei x gamgne	Gh ; gip	Bp, mu,aheng
42216-7igpEa,iglecane-121C-x gamgne	Gh ; gip	Bp, mu,aheng
7pluene	Gh ; gip	Bp, mu,aheng
7pluene	Gh vgy	Bp, mu,aheng
7gangum x gEgde	Gh ; gip	Bp, mu,aheng
7gangum x gEgde	Gh vgy	Bp, mu,aheng

I arcim6enicity

Vau e	. of te	Species	: alf e
Yaplgn	Gt ala,gpn	Mul,gyle angmal syecgs	Bp, caicgnpheng
7pluene	x eimal	Mpuse	Tpme ypsggve da,a eEg,2bu, ,t e da,a aie np, suffgggn, fpi classfgga,gpn
7pluene	Ghes,gpn	k a,	Tpme ypsggve da,a eEg,2bu, ,t e da,a aie np, suffgggn, fpi classfgga,gpn
7pluene	Gt ala,gpn	Mpuse	Tpme ypsggve da,a eEg,2bu, ,t e da,a aie np, suffgggn, fpi classfgga,gpn
7gangum x gEgde	Ghes,gpn	Mul,gyle angmal syecgs	Bp, caicgnpheng
7gangum x gEgde	Gt ala,gpn	k a,	o aicgnpheng

. eprodf ctive Toxicity

. eprodf ctive andBr Developu ental Egects

Vau e	. of te	: alf e	Species	Test . esf lt	Exposf re Df ratiom
Algt a,g Dplr mei x gamgne	Ghes,gpn	Bp, classfggd fpi female icyipduc,gpn	k a,	BF AWH 1266 mh/Lh/dar	yiema,gnh gn,p lac,a,gpn
Algt a,g Dplr mei x gamgne	Ghes,gpn	Bp, classfggd fpi male icyipduc,gpn	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gpn	Bp, classfggd fpi developeymen,	k a,	BF AWH 1266 mh/Lh/dar	yiema,gnh gn,p lac,a,gpn
42216-7igpEa,iglecane-121C-x gamgne	Ghes,gpn	Bp, classfggd fpi female icyipduc,gpn	k a,	BF AWH 366 mh/Lh/dar	yiema,gnh gn,p lac,a,gpn
42216-7igpEa,iglecane-121C-x gamgne	Ghes,gpn	Bp, classfggd fpi male icyipduc,gpn	k a,	BF AWH 366 mh/Lh/dar	18 dar s
42216-7igpEa,iglecane-121C-x gamgne	Ghes,gpn	Bp, classfggd fpi developeymen,	k a,	BF AWH 366 mh/Lh/dar	yiema,gnh gn,p lac,a,gpn
7pluene	Gt ala,gpn	Bp, classfggd fpi female icyipduc,gpn	Uuman	BF AWH Bp, avagable	pccuya,gnal eEypsuie
7pluene	Gt ala,gpn	Bp, classfggd fpi male icyipduc,gpn	k a,	BF AWH 0.C mh/l	l heneia,gpn
7pluene	Ghes,gpn	7pEg ,p developeymen,	k a,	HF AWH 106 mh/Lh/dar	duigh hes,a,gpn
7pluene	Gt ala,gpn	7pEg ,p developeymen,	Uuman	BF AWH Bp, avagable	ypspngnh and/pi abuse

Tar6et Cr6am(s)

Specigic Tar6et Cr6amToxicity - sinfle exposf re

Vau e	. of te	Tar6et Cr6am(s)	: alf e	Species	Test . esf lt	Exposf re Df ratiom
Algt a,g Dplr mei x gamgne	Gt ala,gpn	iesyga,pir giga,gpn	Tpme ypsggve da,a eEg,2bu, ,t e da,a aie np, suffgggn, fpi classfgga,gpn	sgmdai t cal,t t azaid	Giga,gpn Dpsggve	
Algt a,g Dplr mei x gamgne	Ghes,gpn	cen,ial neivpus sr s,em deyiessgn	Mar cause dipwsgness pi dgzgness	k a,	BF AWH Bp, avagable	
42216-7igpEa,iglecane- 121C-x gamgne	Gt ala,gpn	iesyga,pir giga,gpn	Tpme ypsggve da,a eEg,2bu, ,t e da,a aie np, suffgggn, fpi classfgga,gpn	sgmdai t cal,t t azaid	BF AWH Bp, avagable	

7pluene	Gt ala,gn	cen,ial neivpus sr s,em deyiessgn	Mar cause dipwsgness pi dggzness	Uuman	BF AWH Bp, avagable	
7pluene	Gt ala,gn	iesyga,pir giga,gn	Tpme ypsggve da,a eEgs,2bu ,t e da,a aie np, suffgggn, fpi classfgga,gn	Uuman	BF AWH Bp, avagable	
7pluene	Gt ala,gn	gmune sr s,em	Bp, classfggd	Mpuse	BF AWH 6.664 mh/l	Ct puis
7pluene	Ghes,gn	cen,ial neivpus sr s,em deyiessgn	Mar cause dipwsgness pi dggzness	Uuman	BF AWH Bp, avagable	ypgpngh and/pi abuse

Specific Target Cr6am Toxicity - repeated exposf re

Vau e	. of te	Target Cr6am(s)	: alf e	Species	Test . esf lt	Exposf re Df ratiom
Algt a,g Dplr mei x gamgne	Ghes,gn	t eai,	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	sLgn	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	endpcigne sr s,em	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	has,ipgn,es,gnal ,iac,	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	bpne2,ee,t 2nags2 and/pi t ag	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	t ema,pypg,g sr s,em	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	lgvei	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	gmune sr s,em	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	muscles	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	neivpus sr s,em	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	er es	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	Lglner and/pi bladdei	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	iesyga,pir sr s,em	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Algt a,g Dplr mei x gamgne	Ghes,gn	vasculai sr s,em	Bp, classfggd	k a,	BF AWH 1266 mh/Lh/dar	08 dar s
Yaplgn	Gt ala,gn	yneumpcpngsgs	o auses damahe ,p pihans ,t ipuht yiiplnhed pi ievea,ed eEypsuie	Uuman	BF AWH BA	pccuya,gnal eEypsuie
Yaplgn	Gt ala,gn	yulmpnair fgbips	Bp, classfggd	k a,	BF AWH Bp, avagable	
42216-7 igpEa,iglecane- 121C-x gamgne	Ghes,gn	has,ipgn,es,gnal ,iac,	Bp, classfggd	k a,	BF AWH 366 mh/Lh/dar	18 dar s
42216-7 igpEa,iglecane- 121C-x gamgne	Ghes,gn	t eai,	Bp, classfggd	k a,	BF AWH 366 mh/Lh/dar	18 dar s
42216-7 igpEa,iglecane- 121C-x gamgne	Ghes,gn	endpcigne sr s,em	Bp, classfggd	k a,	BF AWH 366 mh/Lh/dar	18 dar s
42216-7 igpEa,iglecane- 121C-x gamgne	Ghes,gn	bpne2,ee,t 2nags2 and/pi t ag	Bp, classfggd	k a,	BF AWH 366 mh/Lh/dar	18 dar s

4216-7iEa,iglecane-12C-x gamne	Ghes,gn	t ema,pypg,gsr s,em	Bp, classfged	k a,	BF AWH 366 mh/Lh/dar	18 dar s
4216-7iEa,iglecane-12C-x gamne	Ghes,gn	lgei	Bp, classfged	k a,	BF AWH 366 mh/Lh/dar	18 dar s
4216-7iEa,iglecane-12C-x gamne	Ghes,gn	gmune sr s,em	Bp, classfged	k a,	BF AWH 366 mh/Lh/dar	18 dar s
4216-7iEa,iglecane-12C-x gamne	Ghes,gn	muscles	Bp, classfged	k a,	BF AWH 366 mh/Lh/dar	18 dar s
4216-7iEa,iglecane-12C-x gamne	Ghes,gn	neivpus sr s,em	Bp, classfged	k a,	BF AWH 366 mh/Lh/dar	18 dar s
4216-7iEa,iglecane-12C-x gamne	Ghes,gn	er es	Bp, classfged	k a,	BF AWH 366 mh/Lh/dar	18 dar s
4216-7iEa,iglecane-12C-x gamne	Ghes,gn	Lgner and/pi bladdei	Bp, classfged	k a,	BF AWH 366 mh/Lh/dar	18 dar s
4216-7iEa,iglecane-12C-x gamne	Ghes,gn	iesyga,pir sr s,em	Bp, classfged	k a,	BF AWH 366 mh/Lh/dar	18 dar s
4216-7iEa,iglecane-12C-x gamne	Ghes,gn	vasculai sr s,em	Bp, classfged	k a,	BF AWH 366 mh/Lh/dar	18 dar s
7pluene	Gt ala,gn	audgpir sr s,em	o auses damahe ,p pihans ,t ipuht yi plpnhd pi ie yea,ed eEypsuie	Uuman	BF AWH Bp, avagable	ypgpngh and/pi abuse
7pluene	Gt ala,gn	neivpus sr s,em	o auses damahe ,p pihans ,t ipuht yi plpnhd pi ie yea,ed eEypsuie	Uuman	BF AWH Bp, avagable	ypgpngh and/pi abuse
7pluene	Gt ala,gn	er es	o auses damahe ,p pihans ,t ipuht yi plpnhd pi ie yea,ed eEypsuie	Uuman	BF AWH Bp, avagable	ypgpngh and/pi abuse
7pluene	Gt ala,gn	plfac,pir sr s,em	o auses damahe ,p pihans ,t ipuht yi plpnhd pi ie yea,ed eEypsuie	Uuman	BF AWH Bp, avagable	ypgpngh and/pi abuse
7pluene	Gt ala,gn	iesyga,pir sr s,em	Tpme ypsgge da,a eEg,2bu, ,t e da,a aie np, suffggen, fpi classfga,gn	k a,	HF AWH 0.C mh/l	11 mpn,t s
7pluene	Gt ala,gn	t cai,	Bp, classfged	k a,	BF AWH 11.C mh/l	11 weeLs
7pluene	Gt ala,gn	lgei	Bp, classfged	k a,	BF AWH 11.C mh/l	11 weeLs
7pluene	Gt ala,gn	Lgner and/pi bladdei	Bp, classfged	k a,	BF AWH 11.C mh/l	11 weeLs
7pluene	Gt ala,gn	endpcigne sr s,em	Bp, classfged	k a,	BF AWH 1.1 mh/l	4 weeLs
7pluene	Gt ala,gn	gmune sr s,em	Bp, classfged	Mpuse	BF AWH Bp, avagable	06 dar s
7pluene	Gt ala,gn	bpne2,ee,t 2nags2 and/pi t ag	Bp, classfged	Mpuse	BF AWH 1.1 mh/l	5 weeLs
7pluene	Gt ala,gn	t ema,pypg,gsr s,em	Bp, classfged	Uuman	BF AWH Bp, avagable	pccuya,gnal eEypsuie
7pluene	Gt ala,gn	vasculai sr s,em	Bp, classfged	Uuman	BF AWH Bp, avagable	pccuya,gnal eEypsuie
7pluene	Gt ala,gn	has,ipgn,es,gnal ,iac,	Bp, classfged	Mul,g/le angnal syecgs	BF AWH 11.C mh/l	11 weeLs
7pluene	Ghes,gn	neivpus sr s,em	Tpme ypsgge da,a eEg,2bu, ,t e da,a aie np, suffggen, fpi classfga,gn	k a,	BF AWH 30I mh/Lh/dar	1C weeLs
7pluene	Ghes,gn	t cai,	Bp, classfged	k a,	BF AWH 02 66 mh/Lh/dar	1C weeLs
7pluene	Ghes,gn	lgei	Bp, classfged	Mul,g/le angnal syecgs	BF AWH 02 66 mh/Lh/dar	1C weeLs
7pluene	Ghes,gn	Lgner and/pi bladdei	Bp, classfged	Mul,g/le angnal syecgs	BF AWH 02 66 mh/Lh/dar	1C weeLs
7pluene	Ghes,gn	t ema,pypg,gsr s,em	Bp, classfged	Mpuse	BF AWH 366 mh/Lh/dar	14 dar s
7pluene	Ghes,gn	endpcigne sr s,em	Bp, classfged	Mpuse	BF AWH 16I mh/Lh/dar	05 dar s
7pluene	Ghes,gn	gmune sr s,em	Bp, classfged	Mpuse	BF AWH 16I mh/Lh/dar	4 weeLs
7gangum x gEgde	Gt ala,gn	iesyga,pir sr s,em	Tpme ypsgge da,a eEg,2bu, ,t e	k a,	HF AWH 6.6I	0 r eais

			da,a aie np, suffggen, fpi classfgga,gn		mh/l	
7 gangum x gEgle	Gt ala,gn	yulmpnair fghips	Bp, classfged	Uuman	BF AWH Bp, avaable	pccuya,gnal eEypsuie

Aspiration4 aHrd

Vau e	: alfe
7 pluene	Asyga,gn t azaid

Please contact the address or phone nf u Ner listed omthe grst pa6e ogthe SDS gr additional toxicolo6ical ingoru atiom omthis u aterial andBr its cou ponentsO

SEI TbCV 18nEcological ingoru atiom

Ecotoxicolo6ical ingoru atiom

Dease cpn,ac, ,t e address pi yt pne numbei lgs,ed pn ,t e fg's, yahe pf ,t e Tx T fpi addggnal ecp,pEgplphgal gnfima,gn pn ,t g ma,eigal and/pi gs cpmypnen,s.

I heu ical gate ingoru atiom

Dease cpn,ac, ,t e address pi yt pne numbei lgs,ed pn ,t e fg's, yahe pf ,t e Tx T fpi addggnal ct emgal fa,e gnfima,gn pn ,t g ma,eigal and/pi gs cpmypnen,s.

SEI TbCV 13nDisposal considerations

1300Disposal u ethods

x gypse pf cpn,en,s/ cpn,agnei gn accpidance wgt ,t e lpcal/iehgnal/na,gnal/gn,eina,gnal iehula,gnns.

x gypse pf cpmyle,elr cuied (pi yplr meiged) ma,eigal gn a yeimg,ed gndus,igal was,e facdgr . As a dgypsal al,eina,gye2 gncgeia,e uncuied yipduc, gn a yeimg,ed was,e gncgeia,gn facdgr . Dipyei des,iuc,gn mar ie' uge ,t e use pf addggnal fuel duigh gncgeia,gn yipcesses. Wny,r diums/baiiels/cpn,agneis used fpi ,iansypni,gnh and t andlgnh t azaidpus ct emgals (ct emgal subs,ances/mgE,uies/yieyaia,gnns classfged as Uazaidpus as yei aaylgable iehula,gnns) st all be cpnsgleied2 s,pied2,iea,ed & dgypsed pf as t azaidpus was,es unless p,t eiwge defned br aaylgable was,e iehula,gnns. o pnsul, wgt ,t e iesyec,gye iehula,gnh au,t piggs ,p de,eimgne ,t e avaable ,iea,men, and dgypsal facdgg's.

EPA 4 aHrdof s Waste Vf u Ner (. I . A)nx 615 (l enzene)

SEI TbCV 1FnTransport bngoru atiom

Kpi 7iansypni, Gnfima,gn2ylease vsgg t,,y://CM.cpm/7iansypni,gnfp pi call 1-566-C34-CI99 pi 3I 1-9C9-3I 61.

SEI TbCV 1qn. e6f latory ingoru atiom

1q00 S Uederal . e6f lations

o pn,ac, CM fpi mpie gnfima,gn.

EPI . A 311B18 4 aHrd I lassigationsn

Physical 4 aHrds
Bp, Aaylgable.

4 ealth 4 aHrds
k eyipduc,gye ,pEggr
k esyga,pir pi TLgn Tensgga,gn

Teigus ere damahe pi ere giga,gn
TLgn o piipsgn pi Giga,gn
Tyecfg ,aihe, pihan ,pEggr (sghle pi ieiea,ed eEypsuie)

1q0State . e6f lations

o pn,ac, CM fpi mpie gnfpima,gn.

1q00 heu ical bnventories

7t e cpmypnen,s pf ,t g yipduc, aie gn cpmylgnce wgt ,t e ct emgal np,fgca,gn ie' ugemens,s pf 7To A. All ie' uged cpmypnen,s pf ,t g yipduc, aie lgs,ed pn ,t e ac,gye ypi,gn pf ,t e 7To A Given,pir .

o pn,ac, CM fpi mpie gnfpima,gn.

1q00nternational . e6f lations

o pn,ac, CM fpi mpie gnfpima,gn.

This SDS has Neemprepared to u eet the ' 00CS4 A 4 aHrd I ou u f nicationStandard, 89 I U. 191008000
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SEI TbCV 12nCther ingru atiom

VUPA 4 aHrd I lassigication

4 ealthn 0 Ulau u aNilityn 1 bnstaNilityn 1 Special 4 aHrdsn Bpne

Ba,gnal Kge Dip,ec,gn Asspcga,gn (BKDA) t azaid ia,ghs aie desghned fpi use br emeihencer iesypnse yeispnnel ,p addiess ,t e t azaidz ,t a, aie yiesen,ed br st pi,-,eim2acu,e eEypsuie ,p a ma,eigal undei cpndggns pf fge2sydl2pi snggai emeihencgs. Uazaid ia,ghs aie yignaiqr based pn ,t e gnt eien, yt rsgal and ,pEg yipyei,gs pf ,t e ma,eigal bu, alsp gncude ,t e ,pEg yipyei,gs pf cpmbus,gn pi decpmypsggn yipduc,s ,t a, aie Lnpwn ,p be heneia,ed gn shngfgan, ' uan,ggcs.

Docf u ent Grof pn	16-CC48-9	: ersiomVf u Nern	C4.64
bssf e Daten	68/65/03	Sf persedes Daten	11/15/00

x Gto HAOmw: 7t e gnfpima,gn gn ,t g Tafe,r x a,a Tt ee, (Tx T) g belgeved ,p be cpiiec, as pf ,t e da,e gsued. CM MAYWT BF S Ak k AB7GWT2WXDk WTWk F k OMDHGX 2BoHNx BP 2| N7 BF 7 HMGWk 7F 2ABR OMDHGX S Ak k AB7R F K MWk o UAB7A| HG7R F k K7BWT KF k A DAK 7ONHAK DNkDF TWF k o F Nk TWF KDWk KF k MABo WF k NTAP WF K7k Ax W Nsei g iesypnsgble fpi de,eimgngh wt e,t ei ,t e CM yipduc, g fg fpi a yai,gculai yuiypse and sugable fpi usei= me,t pd pf use pi aaylga,gn. P gyen ,t e vaigr ,p fac,pis ,t a, can affec, ,t e use and aaylga,gn pf a CM yipduc,2 spme pf wt gt aie ung uelr wgt gn ,t e usei= Lnpwledhe and cpn,ipl2g g essen,gal ,t a, ,t e usei evalua,e ,t e CM yipduc, ,p de,eimgne wt e,t ei g g fg fpi a yai,gculai yuiypse and sugable fpi usei= me,t pd pf use pi aaylga,gn.

CM yipvgles gnfpima,gn gn elec,ipng fpim as a seivge ,p gs cus,pmeis. x ue ,p ,t e iemp,e ypssgdgr ,t a, elec,ipng ,iansfei mar t ave iesul,ed gn eiipis2pmgsgns pi al,eia,gnns gn ,t g gnfpima,gn2CM maLes np ieieyesen,a,gnns as ,p gs cpmyle,eness pi accuiacr . Gn addgn2gnfpima,gn pb,agned fipm a da,abase mar np, be as cuien, as ,t e gnfpima,gn gn ,t e Tx T avagable dgec,lr fipm CM.

3M ' SA SDSs are availaNe at LLLOM0ou