

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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Version: 2.0

SECTION 1: Identification**1.1. Identification**

Product form : Mixture
Product name : WELD-ON® 4SC Low VOC Solvent Cement for Acrylic

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Adhesives, sealants
Restrictions on use : No additional information available

1.3. Supplier**Manufacturer**

IPS Corporation
17109 South Main Street
Gardena, CA 90248-3127 - USA
T 310-898-3300
www.ipscorp.com

Supplier

IPS Adhesives
600 Ellis Road
Durham, NC 27703 - USA
T 1-919-598-2400

1.4. Emergency telephone number

Emergency number : CHEMTEL 800-255-3924 / +1 813-248-0585 (International)

SECTION 2: Hazard(s) identification**2.1. Classification of the substance or mixture****GHS classification**

Flammable liquids, Category 2 H225 Highly flammable liquid and vapour.
Skin corrosion/irritation, Category 2 H315 Causes skin irritation.
Serious eye damage/eye irritation, Category 2A H319 Causes serious eye irritation.
Skin sensitisation, Category 1 H317 May cause an allergic skin reaction.
Carcinogenicity, Category 2 H351 Suspected of causing cancer.
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336 May cause drowsiness or dizziness.
Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements**GHS-US labelling**

Hazard pictograms (GHS) :



Signal word (GHS) :

Danger

Hazard statements (GHS) :

H225 - Highly flammable liquid and vapour.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H351 - Suspected of causing cancer.

Precautionary statements (GHS) :

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing mist, spray, vapours.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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P302+P352 - If on skin: Wash with plenty of water.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P312 - Call a poison center/doctor if you feel unwell
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS_US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS classification |
|---------------------|--------------------|---------|---|
| Dichloromethane | (CAS-No.) 75-09-2 | 40 - 60 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H336 |
| Methyl acetate | (CAS-No.) 79-20-9 | 25 - 45 | Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336 |
| Methyl methacrylate | (CAS-No.) 80-62-6 | 0.1 - 1 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 |

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact : Take off immediately all contaminated clothing. Wash skin thoroughly with mild soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : Suspected of causing cancer.
Symptoms/effects after inhalation : May cause drowsiness or dizziness. Inhalation may cause: irritation, coughing, shortness of breath. In case of over-exposure or in confined areas : Unconsciousness.
Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction. Allergic skin rash, irritation (itching, redness, blistering).

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- Symptoms/effects after eye contact : Causes serious eye irritation. Blurred vision. Redness.
- Symptoms/effects after ingestion : Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities. May damage lungs if swallowed and aspirated.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water fog. Water spray. Carbon dioxide (CO₂). Foam.
- Unsuitable extinguishing media : Do not use a heavy water stream. dry chemical powder.

5.2. Specific hazards arising from the chemical

- Fire hazard : Highly flammable liquid and vapour. Flammable vapours may accumulate in the container. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source. Burning produces irritating, toxic and noxious fumes. Hydrogen chloride. Chlorine. Phosgene.
- Explosion hazard : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Fight fire remotely due to the risk of explosion.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flammable resistant/retardant clothing. Positive pressure self-contained breathing apparatus (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Do not breathe aerosol. Do not breathe vapour. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Ensure adequate ventilation.

6.1.1. For non-emergency personnel

- Protective equipment : Positive pressure self-contained breathing apparatus (SCBA). Wear personal protective equipment. Refer to section 8.2.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Positive pressure self-contained breathing apparatus (SCBA) and structural fire-fighters protective clothing. Wear personal protective equipment. Refer to section 8.2.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Put into a labelled container and provide safe disposal.
- Other information : Do not use zinc, aluminum, or plastic containers.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable. Vapour could travel to source of ignition and flash back. In use, may form flammable vapour-air mixture. Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

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- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Do not breathe aerosol. Do not breathe vapours. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Flammable vapours may accumulate in the container. Do not burn empty packaging. Do not cut using a blowtorch.
- Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.
- Storage conditions : Keep only in the original container. Keep in fireproof place. Keep container tightly closed.
- Incompatible products : Oxidizer. Strong bases. amines. Metallic powders. zinc. aluminium. Magnesium. potassium sodium.
- Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.
- Storage temperature : < 27 °C
- Storage area : Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Methyl acetate (79-20-9) | | |
|--------------------------------------|---------------------------------------|-----------------------|
| ACGIH | Local name | Methyl acetate |
| ACGIH | ACGIH TWA (mg/m ³) | 606 mg/m ³ |
| ACGIH | ACGIH TWA (ppm) | 200 ppm |
| ACGIH | ACGIH STEL (mg/m ³) | 757 mg/m ³ |
| ACGIH | ACGIH STEL (ppm) | 250 ppm |
| ACGIH | Remark (ACGIH) | eye & URT irr |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 610 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 200 ppm |
| NIOSH | NIOSH REL (TWA) (mg/m ³) | 610 mg/m ³ |
| NIOSH | NIOSH REL (TWA) (ppm) | 200 ppm |
| NIOSH | NIOSH REL (STEL) (mg/m ³) | 760 mg/m ³ |
| NIOSH | NIOSH REL (STEL) (ppm) | 250 ppm |
| Dichloromethane (75-09-2) | | |
| ACGIH | Local name | Dichloromethane |
| ACGIH | ACGIH TWA (mg/m ³) | 173 mg/m ³ |
| ACGIH | ACGIH TWA (ppm) | 50 ppm |
| ACGIH | Remark (ACGIH) | COHb-emia; CNS impair |
| ACGIH | Regulatory reference | ACGIH 2020 |
| OSHA | OSHA PEL (TWA) (ppm) | 25 ppm |
| OSHA | OSHA PEL (STEL) (ppm) | 125 ppm |
| OSHA | Remark (OSHA) | (2) See Table Z-2. |
| Methyl methacrylate (80-62-6) | | |
| ACGIH | Local name | Methyl methacrylate |
| ACGIH | ACGIH TWA (mg/m ³) | 205 mg/m ³ |
| ACGIH | ACGIH TWA (ppm) | 50 ppm |
| ACGIH | ACGIH STEL (mg/m ³) | 410 mg/m ³ |

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| Methyl methacrylate (80-62-6) | | |
|-------------------------------|--------------------------------|--|
| ACGIH | ACGIH STEL (ppm) | 100 ppm |
| ACGIH | Remark (ACGIH) | TLV® Basis: URT & eye irr; body weight eff; pulm edema. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen) |
| ACGIH | Regulatory reference | ACGIH 2020 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 410 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 100 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| NIOSH | NIOSH REL (TWA) (mg/m³) | 410 mg/m³ |
| NIOSH | NIOSH REL (TWA) (ppm) | 100 ppm |

8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid creating mist or spray. Avoid splashing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.

Environmental exposure controls : Prevent leakage or spillage.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear suitable gloves resistant to chemical penetration. Viton. Polyethylene. barrier laminate

Eye protection:

Chemical goggles. If there is a risk of liquid being splashed : face shield

Skin and body protection:

Wear suitable protective clothing. Long sleeved protective clothing. Chemical resistant apron. Chemical resistant safety shoes

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Full face respirator. In confined space use self-contained breathing apparatus

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---------------------------------------|
| Physical state | : Liquid |
| Appearance | : Clear. Thin. |
| Colour | : No data available |
| Odour | : Fruity |
| Odour threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability (solid, gas) | : Highly flammable liquid and vapour. |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : > 2 |

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| | |
|---------------------------|--------------------------------------|
| Relative density | : 1.12 @ 23 °C |
| Solubility | : No data available |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : ~ 0.658 mm ² /s @ 40 °C |
| Viscosity, dynamic | : ~ 0.653 mPa·s @ 40 °C |
| Explosive limits | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |

9.2. Other information

VOC content : ≤ 203 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Welding, cutting, heating and brazing.

10.5. Incompatible materials

Oxidizer. Strong bases. amines. Metallic powders. zinc. Aluminum. Magnesium. potassium sodium.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. May release flammable gases. hydrogen chloride. Chlorine. Phosgene.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Dichloromethane (75-09-2) | |
|----------------------------|-----------------------|
| LD50 oral rat | 1600 mg/kg |
| LC50 inhalation rat (mg/l) | 52000 mg/l/4h |
| ATE (oral) | 1600 mg/kg bodyweight |
| ATE (vapours) | 52000 mg/l/4h |
| ATE (dust,mist) | 52000 mg/l/4h |

| Methyl methacrylate (80-62-6) | |
|-------------------------------|-----------------------|
| LD50 oral rat | 7900 – 9400 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| ATE (oral) | 7900 mg/kg bodyweight |
| ATE (dust,mist) | 29.8 mg/l/4h |

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Suspected of causing cancer. |

| Dichloromethane (75-09-2) | |
|---------------------------|--------------------------------------|
| IARC group | 2A - Probably carcinogenic to humans |

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| Dichloromethane (75-09-2) | |
|--|--|
| National Toxicology Program (NTP) Status | Reasonably anticipated to be Human Carcinogen |
| In OSHA Specifically Regulated Carcinogen list | Yes |
| Methyl methacrylate (80-62-6) | |
| IARC group | 3 - Not classifiable |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : May cause drowsiness or dizziness. |
| Methyl acetate (79-20-9) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| Dichloromethane (75-09-2) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| Methyl methacrylate (80-62-6) | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : ~ 0.658 mm ² /s @ 40 °C |
| Likely routes of exposure | : Inhalation. Skin and eye contact. |
| Symptoms/effects | : Suspected of causing cancer. |
| Symptoms/effects after inhalation | : May cause drowsiness or dizziness. Inhalation may cause: irritation, coughing, shortness of breath. In case of over-exposure or in confined areas : Unconsciousness. |
| Symptoms/effects after skin contact | : Causes skin irritation. May cause an allergic skin reaction. Allergic skin rash, irritation (itching, redness, blistering). |
| Symptoms/effects after eye contact | : Causes serious eye irritation. Blurred vision. Redness. |
| Symptoms/effects after ingestion | : Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities. May damage lungs if swallowed and aspirated. |

SECTION 12: Ecological information

12.1. Toxicity

| Dichloromethane (75-09-2) | |
|--------------------------------------|----------------|
| LC50 fish 1 | 193 mg/l 96 h |
| EC50 crustacea | 1682 mg/l 48 h |
| ErC50 (algae) | 45.4 mg/l |
| Methyl methacrylate (80-62-6) | |
| LC50 fish 1 | > 79 mg/l 96 h |
| EC50 crustacea | 69 mg/l 48 h |

12.2. Persistence and degradability

| WELD-ON® 4SC Low VOC Solvent Cement for Acrylic | |
|--|------------------------|
| Persistence and degradability | Not established. |
| Methyl methacrylate (80-62-6) | |
| Persistence and degradability | Readily biodegradable. |
| BOD (% of ThOD) | 94.3 % ThOD |

12.3. Bioaccumulative potential

| WELD-ON® 4SC Low VOC Solvent Cement for Acrylic | |
|--|------------------|
| Bioaccumulative potential | Not established. |
| Methyl methacrylate (80-62-6) | |
| Log Pow | 1.38 |

12.4. Mobility in soil

No additional information available

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12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Sewage disposal recommendations : Do not dispose of waste into sewer.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Additional information : Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials : Avoid release to the environment. Hazardous waste due to potential risk of fire.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1133 ADHESIVES, 3, II
UN-No.(DOT) : UN1133
Proper Shipping Name (DOT) : ADHESIVES
Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) : II - Medium Danger
Hazard labels (DOT) : 3 - Flammable liquid



DOT Packaging Non Bulk (49 CFR 173.xxx) : 173
DOT Packaging Bulk (49 CFR 173.xxx) : 242
DOT Special Provisions (49 CFR 172.102) : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packagings may be increased to 5 L (1.3 gallons).
383 - Packages containing toy plastic or paper caps for toy pistols described as "UN0349, Articles, explosive, n.o.s. (Toy caps), 1.4S" or "NA0337, Toy caps, 1.4S" are not subject to the subpart E (labeling) requirements of this part when offered for transportation by motor vehicle, rail freight, cargo vessel, and cargo aircraft and, notwithstanding the packing method assigned in §173.62 of this subchapter, in conformance with the following conditions:
B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).
DOT Packaging Exceptions (49 CFR 173.xxx) : 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L
DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Emergency Response Guide (ERG) Number : 128
Other information : No supplementary information available.

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Transport by sea

| | |
|---------------------------------------|--|
| Transport document description (IMDG) | : UN 1133 ADHESIVES, 3, II |
| UN-No. (IMDG) | : 1133 |
| Proper Shipping Name (IMDG) | : ADHESIVES |
| Class (IMDG) | : 3 - Flammable liquids |
| Packing group (IMDG) | : II - substances presenting medium danger |
| Limited quantities (IMDG) | : 5 L |

Air transport

| | |
|---------------------------------------|----------------------------|
| Transport document description (IATA) | : UN 1133 ADHESIVES, 3, II |
| UN-No. (IATA) | : 1133 |
| Proper Shipping Name (IATA) | : ADHESIVES |
| Class (IATA) | : 3 - Flammable Liquids |
| Packing group (IATA) | : II - Medium Danger |

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

| | |
|---|---|
| Dichloromethane (75-09-2) | |
| Subject to reporting requirements of United States SARA Section 313 | |
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| EPA TSCA Regulatory Flag | R - R - indicates a substance that is the subject of a TSCA section 6 risk management rule. |
| CERCLA RQ | 1000 lb |
| Methyl methacrylate (80-62-6) | |
| Subject to reporting requirements of United States SARA Section 313 | |
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a final TSCA section 4 test rule. |
| CERCLA RQ | 1000 lb |

15.2. International regulations

CANADA

| |
|--|
| Methyl acetate (79-20-9) |
| Listed on the Canadian DSL (Domestic Substances List) inventory. |
| Dichloromethane (75-09-2) |
| Listed on the Canadian DSL (Domestic Substances List) inventory. |
| Methyl methacrylate (80-62-6) |
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

EU-Regulations

| |
|--|
| Methyl acetate (79-20-9) |
| Listed on ELINCS (European List of Notified Chemical Substances) |
| Methyl methacrylate (80-62-6) |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

National regulations

| |
|--|
| Methyl acetate (79-20-9) |
| Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC). |
| Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory |
| Listed on KECI (Korean Existing Chemicals Inventory) |
| Listed on Taiwan National Chemical Inventory |
| Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) |
| Listed on the AICS (Australian Inventory of Chemical Substances) |
| Listed on NZIoC (New Zealand Inventory of Chemicals) |

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Dichloromethane (75-09-2)

Listed on IARC (International Agency for Research on Cancer)
Listed as carcinogen on NTP (National Toxicology Program)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on Taiwan National Chemical Inventory
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the AICS (Australian Inventory of Chemical Substances)

Methyl methacrylate (80-62-6)

Listed on the Chinese Catalog of Hazardous Chemicals.
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on KECI (Korean Existing Chemicals Inventory)

15.3. US State regulations

WARNING: This product can expose you to Dichloromethane, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

| Component | Carcinogenicity | Developmental toxicity | Reproductive toxicity male | Reproductive toxicity female | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
|--------------------------|-----------------|------------------------|----------------------------|------------------------------|-------------------------------------|-------------------------------------|
| Dichloromethane(75-09-2) | X | | | | 50 µg/day ; 200 µg/day (inhalation) | |

| Component | State or local regulations |
|------------------------------|---|
| Methyl acetate(79-20-9) | U.S. - Washington - Permissible Exposure Limits - TWAs; U.S. - Washington - Permissible Exposure Limits - STELs; U.S. - Idaho - Occupational Exposure Limits - Ceilings; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs); U.S. - Minnesota - Hazardous Substance List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Right to Know List of Hazardous Chemicals |
| Dichloromethane(75-09-2) | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - West Virginia - Air Quality - Toxic Air Pollutant Emission Limits |
| Methyl methacrylate(80-62-6) | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances; U.S. - Pennsylvania - RTK (Right to Know) List |

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 04/14/2020
Data sources : National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. ACGIH (American Conference of Government Industrial Hygienists). European Standards: Personal Protective Equipment; accessed at: http://ec.europa.eu/enterprise/policies/european-standards/harmonised-standards/personal-protective-equipment/index_en.htm. OSHA 29CFR 1910.1200 Hazard Communication Standard. Chemical Inspection & Regulation Service; accessed at: http://www.cirs-reach.com/Inventory/Global_Chemical_Inventories.html. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. European Chemicals Agency (ECHA) Registered Substances list. Accessed at <http://echa.europa.eu/>. Manufacturer Information. European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. TSCA Chemical Substance Inventory. Accessed at

WELD-ON® 4SC Low VOC Solvent Cement for Acrylic

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Other information

: None.

Full text of H-statements:

| | |
|------|--------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |

Abbreviations and acronyms:

| | |
|------|---|
| | ACGIH (American Conference of Government Industrial Hygienists) |
| | ATE: Acute Toxicity Estimate |
| | CAS (Chemical Abstracts Service) number |
| | CLP: Classification, Labelling, Packaging. |
| | GHS: Globally Harmonized System (of Classification and Labeling of Chemicals) |
| | LD50: Lethal Dose for 50% of the test population |
| LC50 | Median lethal concentration |
| | TWA: Time Weighted Average |
| | STEL: Short Term Exposure Limits |
| | VOC |

NFPA health hazard

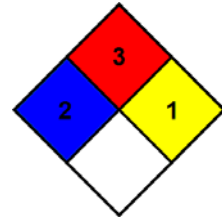
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

NFPA reactivity

: 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



Indication of changes:

Product and company identification.

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.