

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 05/11/2020 Version: 1.0

SECTION 1: Identification

Identification 1.1.

Product form

Substance name

: Substance : WELD-ON® 3061™ Low VOC Thinner

1.2. Recommended use and restrictions on use

Use of the substance/mixture

: Thinner

: No additional information available

Restrictions on use 1.3. Supplier

Manufacturer

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

1.4. **Emergency telephone number**

Emergency number

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

Supplier

IPS Adhesives

600 Ellis Road

T 1-919-598-2400

Durham, NC 27703 - USA

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Flammable liquids, Category 2 Skin corrosion/irritation, Category 2 Skin sensitisation, Category 1 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation Full text of H statements : see section 16

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation.

GHS Label elements, including precautionary statements 2.2.

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. H335 - May cause respiratory irritation.
Precautionary statements (GHS)	 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 dust/fume/gas/mist/vapours/spray. 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. 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. P312 - Call a poison center/doctor if you feel unwell P321 - Specific treatment (see supplemental first aid instruction on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
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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

Name

: WELD-ON® 3061™ Low VOC Thinner

Name	Product identifier	%	GHS classification
Methyl methacrylate	(CAS-No.) 80-62-6	90 - 100	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

3.2. Mixtures

Not applicable

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	Wash skin thoroughly with mild soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.		
First-aid measures after eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.		
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 after inhalation	May cause respiratory irritation. Irritation of the respiratory tract and the other mucous membranes. Headache. Nausea.		
Symptoms/effects after skin contact	Causes skin irritation. May cause an allergic skin reaction. Repeated or prolonged skin contact may cause dermatitis and defatting.		
Symptoms/effects after eye contact	May cause slight irritation.		

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	: Foam. Dry powder. Carbon dioxide.	
Unsuitable extinguishing media	: Do not use a heavy water stream.	
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. 	
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.	
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5.3. Special protective e	quipment 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.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.
SECTION 6: Accidental	release measures
6.1. Personal precaution	s, 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. Ensure adequate ventilation. Wear personal protective equipment.
6.1.1. For non-emergency	personnel
Protective equipment	: Refer to section 8.2.
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency resp	onders
Protective equipment	: Refer to section 8.2.
Emergency procedures	: Ventilate area.
6.2. Environmental preca	autions
Prevent entry to sewers and put	olic waters.
6.3. Methods and materi	al 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.
6.4. Reference to other s	ections
See Heading 8. Exposure contr	ols and personal protection.
SECTION 7: Handling a	nd storage
7.1. Precautions for safe	handling
Additional hazards when proces	sed : Handle empty containers with care because residual vapours are flammable.
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

. Wash hands and other exposed areas with find soap and water before eating, drinking of
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. Do not breathe aerosol.
Use only outdoors or in a well-ventilated area. Do not breathe vapours. Do not get in eyes, on
skin, or on clothing. Handle in accordance with good industrial hygiene and safety procedures.
Use personal protective equipment as required.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

2. Somations for sale storage, moraling any moonpationales	
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	: Reducing agents. amines. Heavy metals. Peroxides. Free radical initiators. Oxidizing agent. Mineral acids.
Storage temperature	: ≤ 30 °C
Heat and ignition sources	: Keep away from heat, sparks and flame.
Storage area	: Store in dry, cool, well-ventilated area. Store in a dark area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Methyl methacrylate (80-62-6)		
ACGIH	Local name	Methyl methacrylate
ACGIH	ACGIH TWA (mg/m³)	205 mg/m³

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Methyl methacrylate (80-62-6)		
ACGIH	ACGIH TWA (ppm)	50 ppm
ACGIH	ACGIH STEL (mg/m ³)	410 mg/m ³
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/m ³)	410 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
NIOSH	NIOSH REL (TWA) (mg/m ³)	410 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	100 ppm

8.2. Appropriate engineering controls

ontrols

: 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. Ensure good ventilation of the work station. Provide local exhaust or general room ventilation.

Environmental exposure controls

Appropriate engineering 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. Butyl rubber gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing. Rubber Apron

Respiratory protection:

Approved organic vapour respirator. If excessive exposure exists, use only approved air-purifying or supplied air respirator operated in a positive pressure mode

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.
Colour	: Colourless
Odour	: Fruity
Odour threshold	: 0.75 ppm
рН	: No data available
Melting point	: -48 °C
Freezing point	: No data available
Boiling point	: 214 °C
Flash point	: 10 °C
Relative evaporation rate (butylacetate=1)	: >1
Flammability (solid, gas)	: Highly flammable liquid and vapour.

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Vapour pressure	: 40 mm Hg @ 26 °C
Relative vapour density at 20 °C	: >1
Relative density	: 0.944
Density	: 0.94 g/cm ³
Molecular mass	: 100.117 g/mol
Solubility	: slightly soluble. Water: 1.5 g/100ml
Log Pow	: 1.35
Auto-ignition temperature	: 430 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: 0.638 mm²/s
Viscosity, dynamic	: 0.6 cP @ 20 °C
Explosive limits	: Lower explosive limit (LEL): 2.1 vol % Upper explosive limit (UEL): 128.5 vol %
Explosive properties	: No data available
Oxidising properties	: No data available
9.2. Other information	
VOC content	: ≤ 50 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions. Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Hazardous polymerization may occur if exposed to high temperature. Free radical initiators. Reducing agents. Heavy metals.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

10.5. Incompatible materials

Reducing agents. amines. Heavy metals. Peroxides. Oxidizer. Free radical initiators. Mineral acids.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

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 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 : Causes skin irritation. Skin corrosion/irritation Serious eye damage/irritation Not classified Respiratory or skin sensitisation : May cause an allergic skin reaction. Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Methyl methacrylate (80-62-6) IARC group 3 - Not classifiable Reproductive toxicity : Not classified

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STOT-single exposure	: May cause respiratory irritation.
Methyl methacrylate (80-62-6)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: 0.638 mm²/s
Likely routes of exposure	: Skin and eye contact. Inhalation.
Symptoms/effects after inhalation	 May cause respiratory irritation. Irritation of the respiratory tract and the other mucous membranes. Headache. Nausea.
Symptoms/effects after skin contact	: Causes skin irritation. May cause an allergic skin reaction. Repeated or prolonged skin contact may cause dermatitis and defatting.
Symptoms/effects after eye contact	: May cause slight irritation.

SECTION 12: Ecological information

12.1. Toxicity	
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® 3061™ Low VOC Thinner	
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® 3061™ Low VOC Thinner	
Log Pow	1.35
Bioaccumulative potential	Not established.
Methyl methacrylate (80-62-6)	
Log Pow	1.38
12.4. Mobility in soil	
WELD-ON® 3061™ Low VOC Thinner	
Ecology - soil	Not established.
12.5. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal considera	ations
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.
SECTION 14: Transport informat	tion
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description	: UN1247 Methyl methacrylate monomer, stabilized, 3, II

Transport document description :	UN1247 Methyl methacrylate monomer, stabilized, 3, II
UN-No.(DOT) :	: UN1247
Proper Shipping Name (DOT) :	Methyl methacrylate monomer, stabilized
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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
	3
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Special Provisions (49 CFR 172.102)	 387 - When materials are stabilized by temperature control, the provisions of §173.21(f) of this subchapter apply. When chemical stabilization is employed, the person offering the material for transport shall ensure that the level of stabilization is sufficient to prevent the material as packaged from dangerous polymerization at 50 °C (122 °F). If chemical stabilization becomes ineffective at lower temperatures within the anticipated duration of transport, temperature control is required and is forbidden by aircraft. In making this determination factors to be taken into consideration include, but are not limited to, the capacity and geometry of the packaging and the effect of any insulation present, the temperature of the material when offered for transport, the duration of the journey, and the ambient temperature conditions typically encountered in the journey (considering also the season of year), the effectiveness and other properties of the stabilizer employed, applicable operational controls imposed by regulation (e.g.requirements to protect from sources of heat, including other cargo carried at a temperature above ambient) and any other relevant factors. The provisions of this special provision will be effective until January 2, 2019, unless we terminate them earlier or extend them beyond that date by notice of a final rule in the Federal Register. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H21). 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
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: C - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 25 - Protected from sources of heat,40 - Stow "clear of living quarters"
Emergency Response Guide (ERG) Number	: 129P
Other information	: No supplementary information available.
Transport by sea	
Transport document description (IMDG)	: UN 1247 METHYL METHACRYLATE MONOMER, STABILIZED, 3, II (8°C c.c.)
UN-No. (IMDG)	: 1247
Proper Shipping Name (IMDG)	: METHYL METHACRYLATE MONOMER, STABILIZED
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: II - substances presenting medium danger
Limited quantities (IMDG)	: 1L
Air transport	
Transport document description (IATA)	: UN 1247 Methyl methacrylate monomer, stabilized, 3, II
riansport document description (IATA)	
UN-No. (IATA)	: 1247
	1247Methyl methacrylate monomer, stabilized
UN-No. (IATA)	

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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

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 methacrylate (80-62-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

Methyl methacrylate (80-62-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

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

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
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

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: National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th Data sources 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/personalprotective-equipment/index_en.htm. OSHA 29CFR 1910.1200 Hazard Communication Standard. Chemical Inspection & Regulation Service; accessed at: http://www.cirsreach.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 http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

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Other information

Full text of H-statements:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.

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
NFF	PA health hazard	: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFF	PA fire hazard	 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
NFF	PA reactivity	: 2 - Materials that readily undergo violent chemical change at elevated temperatures and pressures.

SDS Prepared by: The Redstone Group, dba SafeBridge Consultants, Inc. 110 Polaris Pkwy Suite 200 Westerville, OH USA 43082 P: +1 (614) 923-7472 www.redstonegrp.com

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.