SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 03-Feb-2023 **Version** 12

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code 47809V

Product Name VERSACHEM PLASTIC WELDER (ACTIVATOR)

Unique Formula Identifier (UFI) YGYH-G08S-Q00D-23D9

Code

Contains METHYL METHACRYLATE, NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Activator

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
ITW Permatex, Inc.
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

Only Representative (OR)
ITW Permatex
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
customerservice.shannon@itwpp.com

For further information, please contact

Contact Point
ITW Permatex
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

E-mail address: mail@permatex.com

1.4. Emergency telephone number

24-hour emergency phone number	**- §45 - (EC)1272/2008**
Europe	**112**
Austria	01 406 43 43
Belgium	070 245 245
Denmark	+ 45 8212 1212
Finland	0800 147 111/ 09 471 977
France	+33 (0)1 45 42 59 59
Germany	112 / 16117
Ireland	01 809 2166

Italy	0382-24444
Netherlands	+31 (0)88 755 8000
Norway	22 59 13 00
Poland	112
Portugal	+351 800 250 250
Slovenia	112
Spain	+34 91 562 04 20
Sweden	112
Switzerland	145
United Kingdom	111
Bulgaria	+359 2 9154 233
Croatia	+3851 2348 342
Cyprus	1401
Czech Republic	+420 224 919 293/ +420 224 915 402
Estonia	16662/ (+372) 7943 794
Greece	(003) 2107793777
Hungary	+36 80 201 199
Iceland	543 2222
Latvia	+371 67042473
Liechtenstein	01 406 43 43
Lithuania	+370 (85) 2362052
Luxembourg	(+352) 8002 5500
Romania	+40213183606
Slovakia	+421 2 5477 4166
Malta	112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Germ cell mutagenicity	Category 1B - (H340)
Carcinogenicity	Category 1B - (H350)
Specific target organ toxicity (single exposure)	Category 3 - (H335,H336)
Category 3 Respiratory irritation	
Chronic aquatic toxicity	Category 3 - (H412)
Flammable liquids	Category 2 - (H225)

2.2. Label elements

Contains METHYL METHACRYLATE, NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY

Signal word
Danger

Hazard statements

Hazard statements

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

H340 - May cause genetic defects
H350 - May cause cancer
H412 - Harmful to aquatic life with long lasting effects
H225 - Highly flammable liquid and vapor

Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P321 - Specific treatment (see .? on this label)
P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish

2.3. Other hazards

Harmful to aquatic life.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical name	Weight-%	REACH registration No.	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
METHYL METHACRYLATE 80-62-6	60 - 100	Registration no. 01-2119452498-28-XXXX	201-297-1	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225)	STOT SE 3 :: C>=10%	-	-
NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY 64742-82-1	0.1 - 1		265-185-4	Muta. 1B (H340) Carc. 1B (H350) STOT RE 1 (H372) Asp. Tox. 1 (H304)	-	-	-

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate
No information available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
METHYL METHACRYLATE 80-62-6	8420	5000	29.8	No data available	No data available
NAPHTHA (PETROLEUM), HYDRODESULFURIZED	5000	2000	No data available	No data available	No data available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
HEAVY 64742-82-1					

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Ingestion Rinse mouth.

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

Symptoms No information available.

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

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Identified uses
Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
METHYL METHACRYLATE 80-62-6	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm TWA: 210 mg/m³ STEL 100 ppm STEL 420 mg/m³	TWA: 50 ppm TWA: 208 mg/m³ STEL: 100 ppm STEL: 416 mg/m³	STEL: 100 ppm TWA: 50 ppm	TWA: 50 ppm STEL: 100 ppm K*
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
METHYL METHACRYLATE 80-62-6	STEL: 100 ppm TWA: 50 ppm	TWA: 50 mg/m³ Ceiling: 150 mg/m³ * Sensitizer	TWA: 25 ppm TWA: 102 mg/m³ H*	TWA: 50 ppm STEL: 100 ppm	TWA: 10 ppm TWA: 42 mg/m³ STEL: 50 ppm STEL: 210 mg/m³
Chemical name	France	Germany	Germany MAK	Greece	Hungary
METHYL METHACRYLATE	TWA: 50 ppm TWA: 205 mg/m³	TWA: 50 ppm TWA: 210 mg/m³	TWA: 50 ppm TWA: 210 mg/m³	TWA: 50 ppm STEL: 100 ppm	TWA: 208 mg/m³ STEL: 415 mg/m³

80-62-6	STEL: 100 ppm STEL: 410 mg/m³		Ceiling / Peak: 100 ppm Ceiling / Peak: 420 mg/m³		b*
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
METHYL METHACRYLATE 80-62-6	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm TWA: 205 mg/m³ STEL: 100 ppm STEL: 410 mg/m³	TWA: 10 mg/m³	Sensitizer TWA: 208 mg/m³ TWA: 50 ppm STEL: 416 mg/m³ STEL: 100 ppm
NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY 64742-82-1	-	-	-	TWA: 200 mg/m³ STEL: 300 mg/m³	-
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
METHYL METHACRYLATE 80-62-6	STEL: 100 ppm TWA: 50 ppm	STEL: 100 ppm TWA: 50 ppm	TWA: 205 mg/m³ STEL: 410 mg/m³	TWA: 25 ppm TWA: 100 mg/m³ STEL: 100 ppm STEL: 400 mg/m³	STEL: 300 mg/m³ TWA: 100 mg/m³
NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY 64742-82-1	-	-	-	-	STEL: 900 mg/m³ TWA: 300 mg/m³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
METHYL METHACRYLATE 80-62-6	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm TWA: 205 mg/m³ STEL: 100 ppm STEL: 410 mg/m³	TWA: 50 ppm	TWA: 50 ppm TWA: 210 mg/m³ 100: STEL ppm 420: STEL mg/m³	TWA: 50 ppm STEL: 100 ppm
NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY 64742-82-1	-	-	-	-	TWA: 50 ppm TWA: 290 mg/m³ STEL: 100 ppm STEL: 580 mg/m³ vía dérmica*

Chemical name	Sweden	Switzerland	United Kingdom
METHYL METHACRYLATE 80-62-6	NGV: 50 ppm NGV: 200 mg/m³ Bindande KGV: 100 ppm Bindande KGV: 400 mg/m³ Sensitizer	TWA: 50 ppm TWA: 210 mg/m³ STEL: 100 ppm STEL: 420 mg/m³	TWA: 50 ppm TWA: 208 mg/m³ STEL: 100 ppm STEL: 416 mg/m³

Biological occupational exposure limits
This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) No information available.
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	No information available
Appearance	White
Color	No information available
Odor	Methyl methacrylate
Odor threshold	0.75 ppm

Property	**Values**	**Remarks • Method**
Melting point / freezing point	No data available	None known
Boiling point / boiling range	101 °C	
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	12.5%	
Lower flammability limit:	1.6%	
Flash point	12 °C	Tag Closed Cup
Autoignition temperature	421°C (789.8°F) °C	
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	No information available
Kinematic viscosity	No Data Available	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available Slightly soluble	
Solubility(ies)	No Data Available	None known
Partition coefficient	No Data Available	None known
Vapor pressure	28 mmHg @ 68°F	
Relative density	0.95	
Bulk density	No data available	
Density	No data available	
Vapor density	>3	Air = 1
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

VOC Content (%)	89

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available >1 Butyl acetate = 1

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous Decomposition Products Carbon oxides. Nitrogen oxides (NOx).

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral) 9,460.67 mg/kg
ATEmix (dermal) 4,386.90 mg/kg
ATEmix (inhalation-dust/mist) 33.50 mg/l

10 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
99 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
99 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
10 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
METHYL METHACRYLATE	8420 - 10000 mg/kg (Rat)	5000 - 7500 mg/kg (Rabbit)	= 29.8 mg/L (Rat) 4 h
NAPHTHA (PETROLEUM), HYDRODESULFURIZED	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-

HEAVY			

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Chemical name	European Union
NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY	Muta. 1B

Carcinogenicity No information available.

Chemical name	European Union
NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY	Carc. 1B

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The environmental impact of this product has not been fully investigated.

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
METHYL METHACRYLATE	170: 96 h Pseudokirchneriella subcapitata mg/L EC50	125.5 - 190.7: 96 h Pimephales promelas mg/L LC50 static 153.9 - 341.8: 96 h Lepomis macrochirus	-	69: 48 h Daphnia magna mg/L EC50

		mg/L LC50 static 170 - 206: 96 h Lepomis macrochirus mg/L LC50 flow-through 243 - 275: 96 h Pimephales promelas mg/L LC50 flow-through 326.4 - 426.9: 96 h Poecilia reticulata mg/L LC50 static 79: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 79: 96 h Oncorhynchus mykiss mg/L LC50 static		

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation No information available.

Chemical name	Partition coefficient
METHYL METHACRYLATE	0.7

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
METHYL METHACRYLATE	The substance is not PBT / vPvB PBT assessment does not apply
NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number	ID 8000
14.2 Proper shipping name	Consumer commodity
14.3 Transport hazard class(es)	9
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	

IMDG

14.1 UN number or ID number	1133
14.2 Proper shipping name	Adhesives Limited Quantity (LQ)
14.3 Transport hazard class(es)	3
14.4 Packing Group	II
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	
14.7 Maritime transport in bulk according to IMO instruments	

RID

14.1 UN/ID No	1133
14.2 Proper shipping name	Adhesives Limited Quantity (LQ)
14.3 Transport hazard class(es)	3
14.4 Packing Group	II
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	

ADR

14.1 UN number or ID number	1133
14.2 Proper shipping name	Adhesives Limited Quantity (LQ)
14.3 Transport hazard class(es)	3
14.4 Packing Group	II
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	
Classification code	F1

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical name	French RG number
METHYL METHACRYLATE 80-62-6	RG 65,RG 82
NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY 64742-82-1	RG 84

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
METHYL METHACRYLATE - 80-62-6	75.	-
NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY - 64742-82-1	28. 29. 75.	-

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H225 - Highly flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H335 - May cause respiratory irritation
H340 - May cause genetic defects
H350 - May cause cancer
H372 - Causes damage to organs through prolonged or repeated exposure

Legend
SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method

Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision Date 03-Feb-2023

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
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End of Safety Data Sheet