



Soudal Power Spray Adhesive

Safety Data Sheet

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

1.1. Product identifier

Product form : Mixture
Trade name : Soudal Power Spray Adhesive
Reference number : 158628
Vaporizer : Aerosol

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use, Professional use
Use of the substance/mixture : Adhesives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Soudal
350 Ring Road
Elizabethtown, KY 42701 T
(270) 769-3385
www.SoudalUSA.com

1.4. Emergency telephone number

Emergency number Chem Trec (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Aerosol, Category 1	H222; H229
Acute toxicity (inhalation: dust, mist), Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Respiratory sensitization, Category 1	H334
Skin sensitization, Category 1	H317
Carcinogenicity, Category 2	H351
Specific target organ toxicity — Single exposure, Category 3,	H335
Respiratory tract irritation	
Specific target organ toxicity — Repeated exposure, Category 2	H373

Adverse physicochemical, human health and environmental effects

Pressurized container: May burst if heated. Extremely flammable aerosol. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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2.2. Label elements



Hazard pictograms (CLP)

:

Signal word (CLP)

: Danger

Hazardous ingredients

: methyl acetate, isopentane, methylcyclohexane

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.
H229 - Pressurized container: May burst if heated.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H334 - May cause allergies or asthma symptoms or breathing difficulties if inhaled.
H335 - May cause respiratory irritation.
H351 - Suspected of causing cancer.
H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Extra phrases

: Persons already sensitized to diisocyanates may develop allergic reactions when using this product.
Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.
This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

2.3. Other hazards

The product does not meet the PBT and vPvB classification criteria.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification
methyl acetate	(CAS-No.) 79-20-9	25 – 50	
methyl cyclohexane	(CAS-No.) 108-87-2	5 - 10	
isopentane	(CAS-No.) 78-78-4	5 – 10	

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	:	Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	:	Wash skin with plenty of water. Take off contaminated clothing. 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	:	Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation	:	May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	:	Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	:	Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	:	None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard	:	Extremely flammable aerosol.
Explosion hazard	:	Pressurized container: May burst if heated.
Hazardous decomposition products in case of fire	:	Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	:	Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
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6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

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Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	:	Leave the product to solidify. Mechanically recover the product. Carefully collect the spill/leftovers. Notify authorities if product enters sewers or public waters. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures	:	Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Incompatible products	:	Heat sources. Ignition sources. Strong bases. Strong acids.
Packaging materials	:	Aerosol.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

methyl acetate (79-20-9)

TWA (ACGIH)	200 ppm
TWA (OSHA)	200 ppm
STEL (ACGIH)	250 ppm
STEL (OSHA)	250 ppm

methyl cyclohexane (108-87-2)

TWA (ACGIH)	400 ppm (8 hours)
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TWA (NIOSH)	400 ppm (10 hours)
TWA (OSHA)	400 ppm (8 hours)
Isopentane (78-78-4)	
TWA (ACGIH)	1,000 ppm (8 hours)

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the workstation.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol.
Color	: Variable.
Odor	: characteristic.
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Extremely flammable aerosol.

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Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Pressurized container: May burst if heated.
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content : < 40% by weight

% of flammable ingredients: 86% : 86%

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurized container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified.

methyl acetate (79-20-9)

LD50 oral rat	> 5,000 mg/kg (Rat, Literature study, Oral)
LD50 dermal rabbit	> 5,000 mg/kg (Rabbit, Literature study, Dermal)

methyl cyclohexane (108-87-2)

LC50 Inhalation - Rabbit	7,613.5 ppm
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LC50 Inhalation - Mouse	20,750 ppm
Isopentane (78-78-4)	
LC50 Inhalation - Rat	28,000 mg/m3
Skin corrosion/irritation	:Not classified
Serious eye damage/irritation	:Causes serious eye irritation.
Respiratory or skin sensitization	:Not classified
Germ cell mutagenicity	:Not classified
Carcinogenicity	:Suspected of causing cancer.
Methyl acetate (79-20-9)	
STOT - single exposure:	May cause drowsiness or dizziness.
Methyl cyclohexane (108- 87-2)	
STOT - single exposure:	May cause drowsiness or dizziness.
Isopentane (78-78-4)	
STOT - single exposure:	May cause drowsiness or dizziness.
Reproductive toxicity	:Not classified
STOT-repeated exposure	:May cause drowsiness or dizziness.
Aspiration hazard	:Not classified
Vaporizer	: Aerosol

SECTION 12: Ecological information

12.1. Toxicity

Ecology – general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Hazardous
to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term	: Not classified (chronic)
Not rapidly degradable	

Methyl acetate (79-20-9)	
LC50 - Fish	250 - 350 mg/L (Danio rerio, 96 h)
EC50 - Crustacea	1026.7 mg/L (Daphnia sp., 48 h)
EC50 96h - Algae	> 120 mg/L (Desmodesmus Subspicatus, 72 h)
Methyl cyclohexane (108-87-2)	
LC50 - Fish	2.07 mg/L (Oryzias latipes, 96 h)
EC50 96h - Crustacean	0.326 mg/L (Daphnia magna, 48 h)
EC50 - Algae	0.134 mg/L (Pseudokircheriella subcapitata, 72h)

12.2. Persistence and degradability

Methyl acetate (79-20-9)

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Persistence and degradability	Readily biodegradable in water.
Methylcyclohexane (108-87-2)	
Persistence and degradability	Readily biodegradable in water.

Isopentane (78-78-4)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

Methyl acetate (79-20-9)	
BCF- Fish	< 1 (Pisces, Literature Study)
Partition coefficient n-octanol/water (Log Pow)	0.18 (Experimental Value 20°C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Methyl cyclohexane (108-87-2)	
BCF- Fish	95 - 321 (8 weeks, Cyprinus carpio, Flow-through system, fresh water, Experimental value, fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3.88 (Literature study)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Isopentane (78-78-4)	
Partition coefficient n-octanol/water (Log Pow)	4 (Experimental Value 25°C)
Bioaccumulative potential	Potential for bioaccumulation (4 > Log Kow < 5).

12.4. Mobility in soil

Methyl acetate (79-20-9)	
Surface tension	24 mN/m (20°C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.18 (log Kox, Experimental Value, GLP)
Ecology - Soil	Low potential for adsorption in soil.
Methyl cyclohexane (108-87-2)	
Surface tension	23.39 mN/m (25°C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.37 (log Kox, SRC PCKOCWIN v2.0, QSAR)
Ecology - Soil	Low potential for adsorption in soil
Isopentane (78-78-4)	
Surface tension	15.49 mN/m (25°C, 100 vol %)

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Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.9 (log Kox, Read-across)
Ecology - Soil	Low potential for adsorption in soil.

12.5. Results of PBT and vPvB assessment

The product does not meet the PBT and vPvB classification criteria

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

We make no guarantee or warranty of any kind that the use of disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with requirements and applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing product should be done only after careful evaluation and in compliance with all federal, local and state laws.

SECTION 14: Transport information

DOT	IMDG	IATA
14.1 UN Number of ID number		
UN1950	UN1950	UN1950
14.2 UN proper shipping number		
Aerosols	Aerosols	Aerosols, flammable
Transport document description		
UN1950 Aerosols, 2.1	UN1950 Aerosols, 2.1	UN1950 Aerosols, flammable, 2.1
14.3 Transport Hazard Classes		
2.1	2.1	2.1
		
14.4 Packing Group		
II	Not applicable	Not applicable
14.5 Environmental hazards		
Dangerous to the environment: No	Dangerous to the environment: No	Dangerous to the environment: No
	Marine pollutant: No	
No supplementary information available.		

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SECTION 15: Regulatory information

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

All ingredients are on the following inventories or are exempted from the listing.

Country	Notification
Canada	DSL
United States of America	TSCA

Clean Air Act Section 112 Hazardous Air Pollutants	Not listed
Clean Air Act Section 602 Class I Substances	Not listed
Clean Air Act Section 602 Class II Substances	Not listed
DEA List I Chemicals (Precursor chemicals)	Not listed
DEA List II Chemicals (Precursor chemicals)	Not listed
SARA 302/304	No products were found
SARA 311/213	
Classification	Fire hazard Immediate (acute) health hazard

Massachusetts Right to Know Components

Methyl acetate	CAS Number: 79-20-9
Methyl cyclohexane	CAS Number: 78-78-4
Isopentane	CAS Number: 108-87-2

Pennsylvania Right to Know Components

Methyl acetate	CAS Number: 79-20-9
Methyl cyclohexane	CAS Number: 78-78-4
Isopentane	CAS Number: 108-87-2

New Jersey Right to Know Components

Methyl acetate	CAS Number: 79-20-9
Methyl cyclohexane	CAS Number: 78-78-4
Isopentane	CAS Number: 108-87-2

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects. For more information, go to www.P65Warnings.ca.gov

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SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Full text of H- and EUH-statements:

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Acute Tox. 4 (Inhalation: vapor)	Acute toxicity (inhalation: vapor) Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Full text of H- and EUH-statements:	
H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.