

Dynatex Copper Anti-Seize Spray

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 : Dynatex Copper Anti-Seize Spray
Reference number : 167359

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 : Lubricant

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
(270) 769-3385
technical@soudalaccumetric.com -
www.SoudalUSA.com

1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC
24h/24h

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

FLAMMABLE AEROSOL	Category 1
SKIN IRRITATION	Category 2
EYE IRRITATION	Category 2
SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE	Category 3
AQUATIC TOXICITY	Category 3

Adverse physicochemical, human health and environmental effects

2.2. Label elements

Hazard pictograms (CLP) :

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Signal word (CLP)

: DANGER

Hazard statements (CLP)

: Extremely flammable aerosol
Contains gases under pressure; may explode if heated.
Pressurized container: may burst if heated.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Do not pierce or burn, even after use.
Do not spray on an open flame or other ignition source.
If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin: wash with plenty of soap and water.
Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F.
Dispose of contents and container in accordance with all local, regional, national, and international regulations.

Extra phrases

:

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	
Acetone	CAS-No.: 67-6401	< 40	Flam. Liq. 2, H319 Eye Irrit. 2, H336 STOT SE 3, H336
Butane	CAS-No.: 106-97-8	< 20	Flam. Gas 1, H220 Liquefied Gas; H280
Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	CAS-No.: 64742-49-0	< 20	Asp. Tox. 2, H304 Skin Irrit. 1, H315 STOT SE 2, H336 Aquatic Chronic 2, H411
Hydrocarbons, C6, iso-alkanes, < 5% n-hexane	CAS-No.: 64742-49-0	< 9	Flam. Liq. 2, H225 Repr. 2; H361 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Asp. Tox. 1, H304 STOT SE 3; H336 STOT RE 2; H373 Inhalation – neuropsychological effects, auditory dysfunction, and effects on color vision Aquatic Chronic 4, H412

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Propane	CAS-No.: 74-98-6	< 7	Flam. Gas 1, H220 Liquefied Gas; H280
Carbon Dioxide	CAS-No.: 124-3809	< 5	
N-Hexane	CAS-No.: 110-54-3	< 0.4	Asp. Tox 2, H304 Skin Irrit. 1, H315 STOT SE 2, H336 F Repr. 2, H361 STOT RE 2, H373 Aquatic Chronic 2, H411
Cyclohexane	CAS-No.: 110-82-7	< 0.1	Flam. Liq. 2, H225 Asp. Tox 2, H304 Skin Irrit. 1, H315 STOT SE 2, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

The exact percentage is withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention. -
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If symptoms occur obtain medical attention.
First-aid measures after ingestion	: IF swallowed, do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician immediately.

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

Symptoms/effects after eye contact	: Redness, pain, blurred vision
Symptoms/effects after skin contact	: Irritation, redness, pain
Symptoms/effects after inhalation	: Sore throat, cough, abdominal plant, sleepiness, vomiting
Symptoms/effects after ingestion	: Diarrhea, headache, abdominal cramps, sleepiness, vomiting

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

Treat symptomatically. May cause damage to organs: (optic nerve, Central nervous system). May be harmful if swallowed and enters airway.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use water jet.

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5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable aerosol. (flash point below 23°C).
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	: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.
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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	: Keep away from heat/sparkts/open flames/hotsurfaces. No smoking. Take precautionary measures against static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
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6.1.2. For emergency responders

Protective equipment	: Keep away from heat/sparkts/open flames/hotsurfaces. No smoking. Take precautionary measures against static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Absorb spilled material with sand or earth. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. Mechanically recover the product.
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. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
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Hygiene measures

: Wash contaminated clothing before reuse. 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. Oxidizing agent.

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Packaging materials

: Aerosol.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Acetone (67-64-1)	
ACGIH (TWA)	250 ppm
n-butane (106-97-8)	
OSHA (TWA)	1,900 mg/m ³ , 800 ppm
NIOSH (TWA)	1,900 mg/m ³ , 800 ppm
Propane (74-98-6)	
OSHA (TWA)	1,000 ppm
ACGIH (STEL)	Oxygen Depletion (Asphyxiant)

8.1.2. Recommended monitoring procedures

NIOSH 1300 (Ketones 1); NIOSH 2000 (Methanol); NIOSH 1500 (hydrocarbons, B.P. 36 – 126°C); NIOSH 1501 (Hydrocarbons, Aromatic)

8.1.3. Air contaminants formed

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the workstation. If necessary, use an air-purifying face mask in case of respiratory hazards.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems.

8.2.2.2. Skin protection

Skin and body protection:

Protective clothing

Hand protection:

Protective gloves against chemicals (butyl glove with a breakthrough time of > 480 minutes; material thickness 0.7 mm). Thoroughly check gloves before use.

8.2.2.3. Respiratory protection

Respiratory protection:

Normally, no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

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8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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
Color	: Copper
Appearance	: Liquid
Odor	: Solvent
Odor threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: -57 – 95°C
Flammability	: Not available
Explosive properties	: Not available
Explosive limits	: 1.1% -13%
Lower explosion limit	: 1.1%
Upper explosion limit	: 13%
Flash point	: -20°C
Auto-ignition temperature	: 413°C
Decomposition temperature	: < 20°C
pH	: No available
Viscosity, kinematic	: < 1 mm ² /s
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapor pressure	: 853,000 Pa
Vapor pressure at 50 °C	: Not available
Density	: 0.8
Relative density	: Not available
Relative vapor density at 20 °C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 70%

9.2.2. Other safety characteristics

VOC content : 304 g/L (38%)

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

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Material is stable under normal conditions of use. Extremely high or extremely low temperatures.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F).

10.5. Incompatible materials

Sources of ignition

10.6. Hazardous decomposition products

Under recommended usage conditions, hazardous decomposition products are not expected. Carbon monoxide, Carbon dioxide, Acrid Smoke

SECTION 11: Toxicological information

11.1. Information on hazard classes

Acute toxicity (oral)	: See below
Acute toxicity (dermal)	: See below
Acute toxicity (inhalation)	: See below
Skin Corrosion/Irritation	: Causes skin irritation
Eye Irritation	: Causes serious eye irritation
Respiratory Irritation	: Not classified
Skin Sensitization	: Not classified
Germ Cell Mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive Toxicity	: Not classified
STOT-SE	: May cause drowsiness or dizziness
STOT-Repeated Exposure	: Not classified
Aspiration Hazard	: Not classified

Acetone (67-64-1)

LD50, oral, rat	5,800 mg/kg
LD50, dermal, rabbit	➤ 15,800 mg/kg
LC50, inhalation, rat, 4h	76 mg/L

n-butane (106-97-8)

LD50, oral, rat	➤ 5,000 mg/kg
LD50, dermal, rabbit	➤ 5,000 mg/kg
LC50, inhalation, rat, 4h	➤ 50 mg/L

Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic (64742-49-0)

LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabbit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L

Hydrocarbons, C6, iso-alkanes, < 5% n-hexane (64742-49-0)

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LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabbit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L
Propane (74-98-6)	
LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabbit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L
Carbon dioxide (124-38-9)	
LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabbit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L
n-Hexane (110-54-3)	
LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabbit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L
Cyclohexane (110-82-7)	
LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabbit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified
Not rapidly degradable

Acetone (67-64-1)

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LC50, inhalation, rat, 4h	76 mg/L
NOAEL, rat (Oral)	900 mg/kg/day
NOAEL, rat (Inhalation)	➤ 19,000 ppm

12.2. Persistence and degradability

propane (74-98-6)	
Persistence and degradability	Readily biodegradable in water.
butane (106-97-8)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

propane (74-98-6)	
Partition coefficient n-octanol/water (Log Pow)	1.09 – 2.8 (Experimental value, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
butane (106-97-8)	
Partition coefficient n-octanol/water (Log Pow)	2.8 (Experimental value, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

propane (74-98-6)	
Surface tension	No data available in the literature
Ecology - soil	Not applicable (gas).

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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We make no guarantee or warranty of any kind that the use or 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 a careful evaluation and in compliance with all federal, local, and state laws.

SECTION 14: Transport information

14.1 UN Number

UN1950

14.2 UN Proper Shipping Name

UN1950 Aerosols, flammable, 5F, D

14.3 Transport Hazard Class(es)

Class(es)	5F
Identification number of the hazard	Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental hazards

Not dangerous to the environments

14.6 Special precautions for user

Hazard characteristics:	Risk of fire. Risk of explosion. Containers may explode when heated.
Additional guidance:	Take cover. Keep out of low areas.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. US Federal Regulations

TSCA

All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

SARA 302	None
SARA 304	None
SARA 311/312	
Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No
SARA 313	

15.1.1. US State Regulations

California Prop 65

WARNING: This product can expose you to chemicals including n-hexane, which is known to the State of California to cause birth defects and/or reproductive harm. For more information, go to www.P65Warnings.ca/gov

SECTION 16: Other information

Indication of changes

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.