



Safety Data Sheet StrikeHold Marine (Liquid)

SECTION 1: Identification

1.1 Product identifier

Product name StrikeHold Marine (Liquid)

1.2 Other means of identification

Strike Hold Marine

1.3 Recommended use of the chemical and restrictions on use

Cleaner/lubricant. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

1.4 Manufacturer's details

Name Force 5 Products, LLC
Address 3434 Howell Street NW Suite B
Duluth, GA 30096
USA

General Assistance Telephone 1-866-331-0572

1.5 Emergency phone number(s) CHEMTREC 1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Aspiration hazard, Cat. 1
- Carcinogenicity, Cat. 2
- Specific target organ toxicity (repeated exposure), Cat. 1
- Specific target organ toxicity (single exposure), Cat. 3

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

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Hazard statement(s)

H304 May be fatal if swallowed and enters airways
 H336 May cause drowsiness or dizziness
 H351 Suspected of causing cancer
 H372 Causes damage to organs [central nervous system] through prolonged or repeated exposure [inhalation]

Precautionary statement(s)

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe fume/gas/mist/vapors/spray.
 P264 Wash hands and exposed skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310+P331 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with applicable Federal, State and local laws and regulations.

2.3 Other hazards which do not result in classification

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Components

Component*	Concentration*
Perchloroethylene (CAS no.: 127-18-4)	<50 % (weight)
Hydrotreated naphthenic distillate (CAS no.: 64742-53-6)	20 - 30 % (weight)
Solvent naphtha, medium aliphatic (CAS no.: 64742-88-7)	20 - 30 % (weight)
Aromatic petroleum distillates (CAS no.: 64742-94-5)	10 - 20 % (weight)
Metal working additive	12 - 17 % (weight)
Bis (tridecyl) adipate (CAS no.: 16958-92-2)	1 - 8 % (weight)
Naphthalene (CAS no.: 91-20-3)	1 - 5 % (weight)
Ethylene glycol butyl ether (CAS no.: 111-76-2)	1 - 5 % (weight)

*The specific chemical identities and/or actual concentrations for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).



SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If breathing is irregular or stopped, give artificial respiration. If symptoms persist, get medical attention.
In case of skin contact	Wash with plenty of water as a precaution. Call a poison center or doctor if irritation develops or persists.
In case of eye contact	Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Never give anything by mouth to an unconscious person.
Personal protective equipment for first-aid responders	Refer to Section 8 for specific personal protective equipment recommendations.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

If inhaled	Causes damage to organs [central nervous system] through prolonged or repeated exposure. May cause drowsiness or dizziness.
In case of skin contact	Prolonged and repeated exposure may cause skin irritation. Signs/symptoms may include localized redness, dryness and itching.
In case of eye contact	May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Hazardous combustion products: Carbon oxides and other hazardous fumes and gases.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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For personal protection see section 8. Ensure adequate ventilation. Avoid breathing gas, mist, vapours, spray. Prevent contact with eyes and skin. Evacuate personnel to safe areas.

6.2 Environmental precautions

Avoid any discharge in the sewer system and in natural environment. Contain spilled material to avoid a possible contamination of the environment.

6.3 Methods and materials for containment and cleaning up

Eliminate all sources of ignition. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash hands with soap and water after handling. Do not eat, drink or smoke when using this product. For personal protection see section 8. For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Perchloroethylene (CAS no.: 127-18-4)

PEL-TWA: 100 ppm (OSHA)

PEL-C: 200 ppm; 300 ppm (Peak) [a single time up to 5 min for any 3 hrs]

TLV-TWA: 25 ppm (ACGIH)

TLV-STEL: 100 ppm (ACGIH)

PEL-TWA: 25 ppm (170 mg/m³) (Cal/OSHA)

PEL-STEL: 100 ppm (685 mg/m³) (Cal/OSHA)

PEL-C: 300 ppm (Cal/OSHA)

Hydrotreated naphthenic distillate (CAS no.: 64742-53-6)

PEL-TWA: 5 mg/m³ (OSHA)

Aromatic petroleum distillates (CAS no.: 64742-94-5)

PEL-TWA: 100 ppm (OSHA)

Naphthalene (CAS: 91-20-3):

PEL-TWA: 10 ppm (50 mg/m³) (OSHA)

TLV-TWA: 10 ppm (52 mg/m³) (ACGIH)

REL-TWA: 10 ppm (50 mg/m³) (NIOSH)

PEL-TWA: 0.1 ppm (0.5 mg/m³) (Cal/OSHA)

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Ethylene glycol butyl ether (CAS no.: 111-76-2)
PEL-TWA: 50 ppm (240 mg/m³) (OSHA)
REL-TWA: 5 ppm (24 mg/m³) (NIOSH)
TLV-TWA: 20 ppm (ACGIH)
PEL-TWA: 20 ppm (97 mg/m³) (Cal/OSHA)

8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Safety glasses/goggles are recommended.

Skin protection

Wear protective gloves, such as nitrile gloves.

Body protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

Thermal hazards

No data available.

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, colour, etc.)	Liquid.
Odour	Mild petroleum odour.
Odour threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	> 339° F
Flash point	400° F
Evaporation rate	No data available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.

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Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	Not explosive.
Oxidizing properties	No oxidizing.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Avoid excessive heat, open flames or other sources of ignition.

10.5 Incompatible materials

Strong oxidizers.

10.6 Hazardous decomposition products

Carbon oxides and other hazardous fumes and gases.

SECTION 11: Toxicological information

Information on toxicological effects

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation.

Symptoms and effects from inhalation, skin and eye contact and ingestion are listed in Section 4.

Acute toxicity

Based on available data, classification data are not met.

Components:

Perchloroethylene (CAS no.: 127-18-4)

LD50 (oral) – rat – 2629 mg/kg

LD50 (dermal) – rabbit – > 3228 mg/kg

LC50 (inhalation) – rat – 34200mg/m³/8h

Solvent naphtha, medium aliphatic (CAS no.: 64742-88-7)

LD50 (oral) – rat – 5000 mg/kg

LD50 (dermal) – rabbit – 3000 mg/kg

LC50 (inhalation) – rat – 4400 ppm/4h

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Aromatic petroleum distillates (CAS no.: 64742-94-5)
LD50 (oral) – rat – 3000 mg/kg
LD50 (dermal) – rabbit – 3000 mg/kg
LC50 (inhalation) – rat – 3800 mg/m³/4h

Naphthalene (CAS no.: 91-20-3)
LD50 (oral) – rat – 490 mg/kg
LD50 (dermal) – rabbit – 3000 mg/kg
LC50 (inhalation) – rat – 3800 mg/m³/4h

Ethylene glycol butyl ether (CAS no.: 111-76-2)
LD50 (oral) – rat – 470 mg/kg
LD50 (dermal) – rabbit – >20000mg/kg

Skin corrosion/irritation

Prolonged and repeated exposure may cause skin irritation. Signs/symptoms may include localized redness, dryness and itching.

Serious eye damage/irritation

May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

Suspected of causing cancer.

Components:

IARC: Perchloroethylene is probably carcinogenic to humans (Group 2A); Naphthalene is possibly carcinogenic to humans (Group 2B).

NTP: Perchloroethylene is reasonably anticipated to be a human carcinogen; Naphthalene is reasonably anticipated to be a human carcinogen.

Reproductive toxicity

No data available.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Causes damage to organs [central nervous system] through prolonged or repeated exposure [inhalation].

Aspiration hazard

May be fatal if swallowed and enters airways.

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

No data available on the product.

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Persistence and degradability
No data available on the product.

Bio-accumulative potential
No data available on the product.

Mobility in soil
No data available on the product.

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects
No data available on the product.

SECTION 13: Disposal considerations

Disposal of the product
Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Disposal of contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

Land Transport (DOT)
Not dangerous goods

Air Transport (IATA)
Not dangerous goods

Marine transport (IMDG)
Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard.

SARA 313 Components
Perchloroethylene (CAS no.: 127-18-4)
Naphthalene (CAS no.: 91-20-3)
Ethylene glycol butyl ether (CAS no.: 111-76-2)

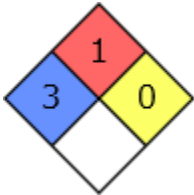
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HMIS Rating

StrikeHold Marine (Liquid)	
HEALTH	3*
FLAMMABILITY	1
PHYSICAL HAZARD	0

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

Date of issue: January 06, 2021.

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.