

H-SS13

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 5/2/2024

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Trade name : Silicone Spray General Purpose (Aerosol)

Product code : H-SS13

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Lubricants and additives

1.3. Supplier

Distributor

Hydro-Balance Corporation

P.O. Box 1318, Lewisville, TX 75067

USA

T 972-394-9422, 800-527-5166 - F 972-394-6755

Info@HydroBalance.com - www.HydroBalance.com

Manufacturer

North American Research Corporation 519 Huffines Blvd., Lewisville, TX 75056 P.O. Box 1318, Lewisville, TX 75067

USA

T 972-492-1800, 800-527-7520 - F 972-394-6755 <u>Info@narcochem.com</u> - <u>www.narcochem.com</u>

1.4. Emergency telephone number

Emergency number : For Chemical Emergency Call Infotrac 24hr/day 7days/week

Within USA and Canada: 1-800-535-5053 Outside USA and Canada: 1-352-323-3500

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable aerosol Category	1	H222	Extremely flammable aerosol
Skin corrosion/irritation Categor	ory 2	H315	Causes skin irritation
Serious eye damage/eye irrita	tion Category 2	H319	Causes serious eye irritation
Specific target organ toxicity -	Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness
Aspiration hazard Category 1		H304	May be fatal if swallowed and enters airways
Hazardous to the aquatic envi	ronment – Acute Hazard Category 1	H400	Very toxic to aquatic life
Hazardous to the aquatic envi	ronment – Chronic Hazard Category 2	H411	Toxic to aquatic life with long lasting effects
Full text of H statements : see	section 16		

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)









Signal word (GHS US) : Danger

Hazard statements (GHS US) : H222 - Extremely flammable aerosol

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness

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H400 - Very toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

P211 - Do not spray on an open flame or other ignition source.

P251 - Pressurized container: Do not pierce or burn, even after use.

P261 - Avoid breathing mist, spray, vapors.

P264 - Wash hands, forearms and face thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment. P280 - Wear eye protection, face protection.

P301+P310 - If swallowed: Immediately call a poison center or doctor.

P302+P352 - If on skin: Wash with plenty of water.

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a poison center or doctor if you feel unwell.

P331 - Do NOT induce vomiting.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P391 - Collect spillage.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 - Dispose of contents/container in accordance with local, regional, national and

international regulations

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

Not applicable

3.2. Mixtures

Name	Product identifier	%
heptane	CAS-No.: 142-82-5	70 – 80
propane	CAS-No.: 74-98-6	10 – 20
butane	CAS-No.: 106-97-8	5 – 10

If the specific chemical identity and/or exact percentage of an ingredient is not specified, the information has been withheld as a trade secret.

Full text of hazard classes and H-statements : see section 16

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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.

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 : 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 : Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is

expected to be an inhalation hazard.

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Irritation to eyes.

Symptoms/effects after ingestion : Risk of lung edema.

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 : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Extremely flammable aerosol. Explosion hazard : No direct explosion hazard. Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper

protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb

spillage to prevent material-damage.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. 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 : Do not attempt to take action without suitable protective equipment. For further information refer

to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into

sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : 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

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

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. Pressurized container: 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.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.

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.

Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Silicone Spray General Purpose (Aerosol)

No additional information available

heptane (142-82-5)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA	400 ppm
ACGIH OEL STEL	500 ppm

USA - OSHA - Occupational Exposure Limits

Local name	Heptane (n-Heptane)
OSHA PEL TWA	2000 mg/m³

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heptane (142-82-5)		
	500 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
butane (106-97-8)		
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL STEL	1000 ppm	
propane (74-98-6)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Propane	
Remark (ACGIH)	TLV® Basis: Simple Asphyxiant	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Propane	
OSHA PEL TWA	1800 mg/m³	
	1000 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:	
Protective gloves	
Eye protection:	
Safety glasses	

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Personal protective equipment symbol(s):







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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: LiquidAppearance: Clear liquid.Color: Colorless.Odor: Solvent

Odor threshold : No data available pH : No data available Melting point : Not applicable Freezing point : No data available Boiling point : No data available : No data available

Flash point : < 0 °F

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : Extremely flammable aerosol.

Vapor pressure : No data available Relative vapor density at 20°C : No data available

Relative density : 0.8

Solubility : Insoluble in water. : No data available Partition coefficient n-octanol/water (Log Pow) Auto-ignition temperature : No data available Decomposition temperature : No data available Viscosity, kinematic : < 20 mm²/s Viscosity, dynamic No data available **Explosion limits** No data available Explosive properties No data available Oxidizing properties No data available

9.2. Other information

VOC content : 97 %

Gas group : Press. Gas (Liq.)

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Extremely flammable aerosol.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

acids. Strong oxidizers.

10.6. Hazardous decomposition products

Carbon dioxide (CO2). Carbon monoxide.

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SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified: Not classified: Not classified	
heptane (142-82-5)		
LD50 oral rat	> 5000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Readacross, Oral, 14 day(s))	
LD50 dermal rabbit	> 2000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s))	
LC50 Inhalation - Rat	> 29.29 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), > 4 day(s))	
butane (106-97-8)		
LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value of similar product, Inhalation (gases))	
propane (74-98-6)		
LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases))	
Skin corrosion/irritation	: Causes skin irritation.	
heptane (142-82-5)		
рН	No data available in the literature	
butane (106-97-8)		
рН	No data available in the literature	
propane (74-98-6)		
рН	No data available in the literature	
Serious eye damage/irritation	: Causes serious eye irritation.	
heptane (142-82-5)		
рН	No data available in the literature	
butane (106-97-8)		
рН	No data available in the literature	
propane (74-98-6)		
pH	No data available in the literature	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
STOT-single exposure	: May cause drowsiness or dizziness.	
heptane (142-82-5)		
STOT-single exposure	May cause drowsiness or dizziness.	
STOT-repeated exposure	: Not classified	

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heptane (142-82-5)	
LOAEC (inhalation,rat,vapor,90 days)	16.6 mg/l air
NOAEC (inhalation,rat,vapor,90 days)	3.3 mg/l air
•	May be fatal if swallowed and enters airways. < 20 mm²/s
heptane (142-82-5)	
Viscosity, kinematic	0.641 mm²/s (20 °C, EN ISO 3104: Capillary viscometer)
butane (106-97-8)	
Viscosity, kinematic	No data available in the literature
propane (74-98-6)	
Viscosity, kinematic	No data available in the literature
• •	May cause drowsiness or dizziness. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after eye contact :	Irritation. Irritation to eyes. Risk of lung edema.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

heptane (142-82-5)	
EC50 - Crustacea [1]	1.5 mg/l
EC50 72h - Algae [1]	4.338 mg/l (Pseudokirchneriella subcapitata, Fresh water, QSAR, Biomass)
LOEC (chronic)	0.32 mg/l
NOEC (chronic)	0.17 mg/l
butane (106-97-8)	
LC50 - Fish [1]	24 mg/l (ECOSAR, 96 h, Pisces, Fresh water, QSAR)
EC50 96h - Algae [1]	7.7 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)
propane (74-98-6)	
LC50 - Fish [1]	50 mg/l (96 h, Pisces, Fresh water, QSAR, Estimated value)
EC50 96h - Algae [1]	12 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)

12.2. Persistence and degradability

heptane (142-82-5)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.92 g O₂/g substance
Chemical oxygen demand (COD)	0.06 g O₂/g substance
ThOD	3.52 g O₂/g substance

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

12.3. Bioaccumulative potential

heptane (142-82-5)		
BCF - Other aquatic organisms [1]	552 (BCFBAF v3.00, Calculated value)	
Partition coefficient n-octanol/water (Log Pow)	4.5 (Literature)	
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).	
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).	
propane (74-98-6)		
Partition coefficient n-octanol/water (Log Pow)	1.1 – 2.8 (Experimental value, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	

12.4. Mobility in soil

heptane (142-82-5)		
Surface tension	19.66 mN/m (25 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.38 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Low potential for adsorption in soil.	
butane (106-97-8)		
Surface tension	No data available in the literature	
Ecology - soil	Not applicable (gas).	
propane (74-98-6)		
Surface tension	No data available in the literature	
Ecology - soil	Not applicable (gas).	

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations. Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

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Additional information : Do not re-use empty containers.

SECTION 14: Transport information

14.1. UN number

UN-No.(DOT) : UN1950 UN-No. (IMDG) : 1950

UN-No. (IATA) : Not applicable

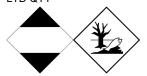
14.2. UN proper shipping name

Proper Shipping Name (DOT) : Aerosols
Proper Shipping Name (IMDG) : AEROSOLS
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : LTD QTY Hazard labels (DOT) : LTD QTY



IMDG

Transport hazard class(es) (IMDG) : LTD QTY (2.1) Hazard labels (IMDG) : LTD QTY, 2.1



IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes



Other information : Inner packages with less than 5 liters of liquid/ 5 kg of solid are exempt from Marine Pollutant per

IMDG Code 2.10.2.7.

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14.6. Special precautions for user

Special transport precautions : Factory package is not suitable for transport by air

DOT

UN-No.(DOT) : UN1950

DOT Special Provisions (49 CFR 172.102) : N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.

DOT Packaging Exceptions (49 CFR 173.xxx) : DOT Quantity Limitations Passenger aircraft/rail (49 :

CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49

CFR 175.75)

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel.

DOT Vessel Stowage Other : 25 - Protected from sources of heat,87 - Stow "separated from" Class 1 (explosives) except

Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials

IMDG

Special provision (IMDG) : 63, 190, 277, 327, 344, 381, 959

Limited quantities (IMDG) : SP277

Excepted quantities (IMDG) : E0

Packing instructions (IMDG) : P207, LP200

Packing provisions (IMDG) : PP87, L2

EmS-No. (Fire) : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES

EmS-No. (Spillage) : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)

Stowage category (IMDG) : None
Stowage and handling (IMDG) : SW1, SW22
Segregation (IMDG) : SG69

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

heptane (142-82-5)

Listed on the Canadian DSL (Domestic Substances List)

butane (106-97-8)

Listed on the Canadian DSL (Domestic Substances List)

propane (74-98-6)

Listed on the Canadian DSL (Domestic Substances List)

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EU-Regulations

No additional information available

National regulations

heptane (142-82-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

butane (106-97-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

propane (74-98-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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
heptane(142-82-5)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
butane(106-97-8)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
propane(74-98-6)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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Full text of hazard classes and H-statements		
H222	Extremely flammable aerosol	
H304	May be fatal if swallowed and enters airways	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H336	May cause drowsiness or dizziness	
H400	Very toxic to aquatic life	
H411	Toxic to aquatic life with long lasting effects	

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