



SAFETY DATA SHEET

Section 1 – Product & Company Identification

Product Name:
RIDGID- Thread Cutting Fluid Synthetic Aerosol

Product Catalog No.:
19611

Recommended Use:
Thread Cutting

Restrictions on Use:
Industrial use only

Company Information:

<u>North America</u> Ridge Tool Company 400 Clark Street Elyria, Ohio 44035-6001 1-800-519-3456 (8:00 am – 5:00 pm EST, M-F) Emergency Telephone call 9-1-1 or local emergency number www.RIDGID.com	<u>Europe</u> Ridge Tool NV Schurhovenveld 4820 3800 Sint-Truiden, Belgium +32 (0) 11 598 600 (8:00 am – 5:00 pm, M-F) Emergency Telephone call +32 (0) 11 598 600 or local emergency number www.RIDGID.eu
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Issue Date: August 01, 2018

Revision: A

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Section 2 – Hazards Identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

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

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02

Signal word

Danger

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.

Precautionary statements:

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251

Do not pierce or burn, even after use.

P211

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

P410+P412

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

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2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Section 3 – Composition / Information On Ingredients

3.2 Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

* Dangerous components:			
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0	isobutane	 Flam. Gas 1, H220 Press. Gas C, H280	0.1-≤2.5%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane	 Flam. Gas 1, H220 Press. Gas C, H280	0.1-≤2.5%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane	 Flam. Gas 1, H220 Press. Gas C, H280	0.1-≤2.5%

* Additional information: For the wording of the listed hazard phrases refer to section 16.



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Section 4 – First Aid Measures

4.1 Description of first aid measures:

After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Wash with water and soap.
After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	Rinse out mouth and then drink plenty of water.

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

Gastric or intestinal disorders

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing agents:	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam. CO ₂ , sand, extinguishing powder. Do not use water.
For safety reasons unsuitable extinguishing agents:	Water with full jet

5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

5.3 Advice for firefighters:



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Protective equipment:	Wear self-contained respiratory protective device.
Additional information:	Cool endangered receptacles with water spray.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:	Ensure adequate ventilation Keep away from ignition sources. Wear protective equipment. Keep unprotected persons away.
6.2 Methods and material for containment and cleaning up:	Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents Dispose of the material collected according to regulations.
6.3 Environmental Precautions:	Do not allow to penetrate the ground/soil. Suppress gases/fumes/haze with water spray. Do not allow to enter sewers/ surface or ground water.
6.4 Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7 – Handling And Storage

7.1 Precautions for safe handling:	Keep away from heat and direct sunlight. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Store in cool, dry place in tightly closed receptacles. Open and handle receptacle with care.
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Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.
Fumes can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

7.2 Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.
Observe official regulations on storing packaging's with pressurized containers.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Keep container tightly sealed.
Do not seal receptacle gas tight.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

7.3 Specific end use(s):

Thread cutting mediums.



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Section 8 – Exposure Controls / Personal Protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:	
CAS: 106-97-8 butane:	
WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Recommendation: Chemical resistant protective gloves (EN 374)

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also

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on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Use safety glasses according to EN 166 : 2001.



Tightly sealed goggles

Section 9 – Physical And Chemical Properties

9.1 Information on basic physical and chemical properties:

General Information:

Appearance:

Form:	Liquid
Colour:	Red
Odour:	Odourless
Odour threshold:	Not determined.
pH-value:	Not determined.



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Change in condition:	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	-44 °C
Flash point:	-97 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	> 320 °C
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	1.5 Vol %
Upper:	10.9 Vol %
Vapour pressure at 20 °C:	23 hPa
Density:	Not determined.
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.



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Viscosity:	
Dynamic:	Not determined.
Kinematic at 40 °C:	12.75 mm ² /s
Solvent content:	
Organic solvents:	5.1 %
Water:	35.3 %
VOC (EC):	29.61 %
9.2 Other information:	No further relevant information available.

Section 10 – Stability And Reactivity

10.1 Reactivity: No further relevant information available.

10.2 Chemical stability:

**Thermal decomposition /
 conditions to be avoided:** No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: Avoid open flames.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.



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Section 11 – Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
CAS: 74-98-6 propane:		
Inhalative	LC50/4 h	>20 mg/l (rat)
CAS: 106-97-8 butane		
Inhalative	LC50/4 h	658 mg/l (rat)

Primary irritant effect:

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.



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STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

Section 12 – Ecological Information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bio accumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

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Class	2.1
Label	2.1
14.4 Packing group	Begrenzte Menge LQ2
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Gases.
Danger code (Kemler):	
EMS Number:	F-D,S-U
Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	

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ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

Section 15 – Regulatory Information

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

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02

Signal word

Danger

Hazard statements

H222-H229 Extremely flammable aerosol.
Pressurised container: May burst if heated.

Precautionary statements



Product Name: RIDGID- Thread Cutting Fluid Synthetic Aerosol

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P211	Do not spray on an open flame or other ignition source.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Directive 2012/18/EU	
Named dangerous substances - ANNEX I	None of the ingredients is listed.
Seveso category	P3a FLAMMABLE AEROSOLS
Qualifying quantity (tonnes) for the application of lower-tier requirements	150 t
Qualifying quantity (tonnes) for the application of upper-tier requirements	500 t
15.2 Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

Section 16 – Other Information

Prepared by: Ridge Tool Company (OPSTD 6-134)

Issue Date: August 01, 2018

Last Revision Date: October 26, 2016

RIDGE TOOL BELIEVES THE STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE RELIABLE BUT THEY ARE GIVEN



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WITHOUT WARRANTY OR GUARANTEE OF ANY KIND, EXPRESSED OR IMPLIED, AND WE ASSUME NO RESPONSIBILITY FOR ANY LOSS, DAMAGE OR EXPENSE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THEIR USE.

Abbreviations and acronyms:

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods.
IATA:	International Air Transport Association.
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
VOC:	Volatile Organic Compounds (USA, EU)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Flam. Gas 1:	Flammable gases, Hazard Category 1
Aerosol 1:	Flammable aerosols, Hazard Category 1
Press. Gas C:	Gases under pressure: Compressed gas