

Rivolta S,B,H, 11

according to MoL regulation (10702052242)

Issue date: 2025/06/26

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Version: 1.0

1. Identification of the chemical and of the business entity

Chemical name	Rivolta S,B,H, 11
Product code	BU ET&A
Other Names	-
Recommended use	Hydraulic Fluids
Restrictions on use	For professional use only
Names, addresses, and phone numbers of manufacturer, importer or supplier	Supplier Bremer & Leguil GmbH 47051 Germany Duisburg Am Burgacker 30 - 42 T +49 (0)203 / 9923-0 product-safety-management@bremer-leguil.de Department issuing data specification sheet Hilti AG 9494 Liechtenstein Schaan Feldkircherstraße 100 T +423 234 2111 product.compliance-power.tools@hilti.com
Emergency number	GBK GmbH Global Regulatory Compliance +49 (0)6132-84463

2. Hazard(s) identification

GHS classification (Taiwan)

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Label content

Hazard pictograms (GHS TW)	-
Signal word (GHS TW)	-
Hazard statements (GHS TW)	-
Precautionary statements	-
Prevention precautionary statements	-
Response Precautionary Statements	-
Storage precautionary statements	-
Disposal precautionary statements	-
Other hazards which do not result in classification	-

3. Composition/information on ingredients

Substance:

Not applicable

Mixture:

Chemical properties Refer to Section 9

This mixture does not contain any substances to be mentioned according to CNS15030 classification.

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4. First-aid measures

First aid measures for different exposure routes

First-aid measures general	Take off immediately all contaminated clothing.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. - Allow the victim to rest - If experiencing respiratory symptoms: Call a poison center or a doctor
First-aid measures after skin contact	Wash skin with mild soap and water
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. - Obtain medical attention if pain, blinking or redness persists
First-aid measures after ingestion	Rinse mouth - Do NOT induce vomiting. - Get medical advice/attention.

Most Important Symptoms/Effects

Symptoms/effects after skin contact	May cause skin irritation
Symptoms/effects after eye contact	May cause eye irritation

Protection for the first aid staff

Personal Protection in First Aid and Measures	Not applicable
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Notes to physician

Other medical advice or treatment	Get medical attention if symptoms occur
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5. Firefighting measures

Extinguishing media

Suitable extinguishing media	Dry powder Carbon dioxide Fight larger fires with water spray or alcohol resistant foam
Unsuitable extinguishing media	Do not use a heavy water stream

Specific hazards arising from firefighting measures

Fire hazard	-
Explosion hazard	No direct explosion hazard
General measures	Spilled material may present a slipping hazard
Reactivity in case of fire	Hazardous decomposition products in case of fire
Hazardous decomposition products in case of fire	Carbon dioxide. Carbon monoxide.

Specific firefighting methods

Firefighting instructions	Exercise caution when fighting any chemical fire - Prevent fire fighting water from entering the environment
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Special protective equipment and precautions for fire-fighters

Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection - Self-contained breathing apparatus - Complete protective clothing
Personal protection (Emergency response)	-

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6. Accidental release measures

Personal precautions

General measures	Spilled material may present a slipping hazard
For non-emergency personnel	
Protective equipment	Wear recommended personal protective equipment
Emergency procedures	Ventilate spillage area Evacuate unnecessary personnel
For emergency responders	
Protective equipment	Do not attempt to take action without suitable protective equipment Equip cleanup crew with proper protection For further information refer to section 8: "Exposure controls/personal protection"
Emergency procedures	Ventilate area Evacuate unnecessary personnel Stop leak if safe to do so.

Environmental precautions

Environmental precautions	Avoid release to the environment Prevent entry to sewers and public waters Notify authorities if liquid enters sewers or public waters
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Methods and material for containment and cleaning up

For containment	Absorb spilled material with sand or earth 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	Take up liquid spill into absorbent material Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible Collect spillage. Store away from other materials.
Other information	Dispose of materials or solid residues at an authorized site

7. Handling and storage

Handling

Precautions for safe handling	Prevent aerosol formation or splashes. Ensure good ventilation of the work station Wear personal protective equipment Do not get in eyes, on skin, or on clothing. Do not breathe vapours, spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work
Hygiene measures	Provide good ventilation in process area to prevent formation of vapour Do not eat, drink or smoke when using this product. Always wash hands after handling the product

Storage

Technical measures	Keep in a cool, well-ventilated place away from heat
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Storage conditions	Keep cool. Protect from sunlight. Keep container closed when not in use Keep only in original container.
Incompatible materials	Sources of ignition Direct sunlight

8. Exposure controls/personal protection

Appropriate engineering controls Ensure good ventilation of the work station

Control parameters

No additional information available

Personal protective equipment

General:

Personal protective equipment:
Avoid all unnecessary exposure.

Respiratory protection:

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment

Hand protection:

Hand protection Avoid repeated or prolonged contact with the skin. Nitrile rubber gloves

Eye protection:

Eye protection Safety goggles recommended during refilling. Safety glasses

Skin and body protection:

Skin and body protection Wear suitable protective clothing

Personal protective equipment symbol(s):



Hygiene measures:

Do not eat, drink or smoke when using this product.
Always wash hands after handling the product

9. Physical and chemical properties

Appearance	No data available
Physical state	Liquid
Colour	Yellow
Odour	characteristic
Odour threshold [ppm]	No data available
pH	No data available
Evaporation rate	No data available
Melting point	No data available
Boiling point	No data available
Flash point	200 ° C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available

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Relative vapour density at 20° C	No data available
Density	0.9 g/ml (15 ° C)
Solubility	insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	No data available
Viscosity, kinematic	21.9 mm ² /s (40 ° C)
Viscosity, kinematic (calculated value) (40 ° C)	21.9 mm ² /s (40 ° C)
Explosive limits (vol %)	No data available

10. Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use
Conditions to avoid	Direct sunlight. Extremely high or low temperatures
Incompatible materials	Strong acids Strong bases Strong oxidizing agents
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced Thermal decomposition generates : carbon oxides Toxic gases Toxic vapours

11. Toxicological information

Routes of exposure

No additional information available

Symptoms

Potential adverse human health effects and Based on available data, the classification criteria are not met

Acute toxicity

Acute toxicity (oral) Not classified

Acute toxicity (dermal) Not classified

Acute toxicity (inhalation) Not classified

Skin corrosion/irritation

Skin corrosion/irritation Not classified

Serious eye damage/irritation

Serious eye damage/irritation Not classified

Respiratory or skin sensitisation

Respiratory or skin sensitisation Not classified

Chronic toxicity or long-term toxicity

Germ cell mutagenicity

Germ cell mutagenicity Not classified

Carcinogenicity

Carcinogenicity Not classified

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Reproductive toxicity	
Reproductive toxicity	Not classified
STOT-single exposure	
STOT-single exposure	Not classified
STOT-repeated exposure	
STOT-repeated exposure	Not classified
Aspiration hazard	
Aspiration hazard	Not classified
Viscosity, kinematic	21.9 mm ² /s (40 ° C)

12. Ecological information

Ecotoxicity

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)	
Hazardous to the aquatic environment, short - term (acute)	Not classified
Hazardous to the aquatic environment, long - term (chronic)	
Hazardous to the aquatic environment, long - term (chronic)	Not classified
Additional ecotoxicological information	
No additional information available	

Persistence and degradability

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Persistence and degradability	No additional information available
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Bioaccumulative potential

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Bioaccumulative potential	Not established
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Mobility in soil

No additional information available

Other adverse effects

Ozone	Not classified
Other information	Avoid release to the environment.

13. Disposal considerations

Waste treatment methods	Dispose of contents/container in accordance with licensed collector' s sorting instructions
Ecological waste information	Avoid release to the environment.
Sewage disposal recommendations	Disposal must be done according to official regulations

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Product/Packaging disposal recommendations Dispose in a safe manner in accordance with local/national regulations
 Additional information Do not re-use empty containers

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

Overland transport
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

Rail transport
Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

15. Regulatory information

Applicable regulations

- Occupational Safety and Health Act
- Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste
- Traffic Safety Rule
- All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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16. Other information

Literature references

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Abbreviations and acronyms

ACGIH - American Conference of Government Industrial Hygienists, 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, BCF - Bioconcentration factor, BLV - Biological limit value, BOD - Biochemical oxygen demand (BOD), CAS-No. - Chemical Abstract Service number, CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008, COD - Chemical oxygen demand (COD), CSA - Chemical safety assessment, DMEL - Derived Minimal Effect level, DNEL - Derived No Effect Level, EC-No. - European Community number, EC50 - Median effective concentration, ED - Endocrine disruptor, EN - European Standard, EWC - European waste catalogue, IARC - International Agency for Research on Cancer, IATA - International Air Transport Association, IMDG - International Maritime Dangerous Goods, LC50 - Median lethal concentration, LD50 - Median lethal dose, LOAEL - Lowest Observed Adverse Effect Level, Log Kow - Partition coefficient n-octanol/water (Log Kow), Log Pow - Partition coefficient n-octanol/water (Log Pow), MAK - maximum workplace concentration, NOAEC - No-Observed Adverse Effect Concentration, NOAEL - No-Observed Adverse Effect Level, NOEC - No-Observed Effect Concentration, N. O. S. - Not Otherwise Specified, OECD - Organisation for Economic Co-operation and Development, OEL - Occupational Exposure Limit, OSHA - Occupational Safety Health Administration, PBT - Persistent Bioaccumulative Toxic, PNEC - Predicted No-Effect Concentration, PPE - Personal protection equipment, RID - Regulations concerning the International Carriage of Dangerous Goods by Rail, SDS - Safety Data Sheet, STP - Sewage treatment plant, TF - Technical function, ThOD - Theoretical oxygen demand (ThOD), TLM - Median Tolerance Limit, TWA - Time Weighted Average, VOC - Volatile Organic Compounds, vPvB - Very Persistent and Very Bioaccumulative, UFI - Unique Formula Identifier

Other information

None

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.