



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture	TRIM® E715
Registration number	-
Synonyms	None.
Issue date	20-December-2019
Version number	08
Revision date	01-February-2023
Supersedes date	25-January-2023

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Metal working fluids
Uses advised against	Applicable for industrial settings only. No other uses are advised.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name	Master Fluid Solutions WDG GmbH
Address	Hasselsstraße 6-14 40597 Düsseldorf, Germany
Telephone	+49 211 77 92 85-0
e-mail	SDS@masterfluids.com

1.4. Emergency telephone number

Information on operation hours	(CHEMTREC) 24 hours
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards		
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: BENZISOTHIAZOL- 3(2H)-ONE

Hazard pictograms



Signal word: Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

Prevention

P264 Wash hands thoroughly after handling.
P280 Wear eye protection/face protection.

Response

P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

Storage Store away from incompatible materials.

Disposal

Supplemental label information EUH208 - Contains BENZISOTHIAZOL- 3(2H)-ONE. May produce an allergic reaction.

2.3. Other hazards

The mixture does not contain any SVHC: Substance of Very High Concern >0.1% according to Article 57 of Regulation (EC) No 1907/2006 (REACH). Not a PBT or vPvB substance or mixture. Does not contain endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
SEVERELY HYDROTREATED PETROLEUM OIL	50 - < 60	64742-52-5 265-155-0	01-2119467170-45-	649-465-00-7	
Classification:	-				L
AMINE NEUTRALIZED PHOSPHATE ESTERS	3 - < 5	Mixture -	Exempt-Ionic mixture, Annex V	-	
Classification:	Skin Irrit. 2;H315, Eye Irrit. 2;H319				
HEXYLENE GLYCOL	1 - < 3	107-41-5 203-489-0	01-2119539582-35-	603-053-00-3	
Classification:	Skin Irrit. 2;H315, Eye Irrit. 2;H319				
BENZISOTHIAZOL- 3(2H)-ONE	< 0.05	2634-33-5 220-120-9	Registered under BPR	613-088-00-6	
Classification:	Acute Tox. 4;H302, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Dam. 1;H318, Aquatic Acute 1;H400, Aquatic Chronic 2;H411				
Other components below reportable levels	40 - < 50				

List of abbreviations and symbols that may be used above

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: First aid measures

General information

Get medical attention, if needed.

4.1. Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	Wash affected area with mild soap and water.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.
Ingestion	In the unlikely event of swallowing contact a physician or poison control centre.

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

May cause eye irritation.

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

Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

5.1. Extinguishing media

Suitable extinguishing media	Dry chemical, CO ₂ , water spray or alcohol resistant foam. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

No unusual fire or explosion hazards noted. Fire Fighting Measures: Hazardous combustion products

5.3. Advice for firefighters

Special protective equipment for firefighters	Wear suitable protective equipment. Use standard firefighting procedures and consider the hazards of other involved materials.
Special fire fighting procedures	Containers should be cooled with water to prevent vapour pressure build up.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** Keep unnecessary personnel away. For personal protection, see section 8. Use personal protective equipment as required.
- For emergency responders** Use personal protective equipment as required.

6.2. Environmental precautions Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent entry into waterways, sewer, basements or confined areas.

6.3. Methods and material for containment and cleaning up Soak up with inert absorbent material. Clean up in accordance with all applicable regulations.

6.4. Reference to other sections For personal protection, see section 8. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Do not taste or swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities Store in a closed container. The product is stable and non-reactive under normal conditions of use, storage and transport. Store in a dry place.

7.3. Specific end use(s) Metal working fluids

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
HEXYLENE GLYCOL (CAS 107-41-5)	STEL	123 mg/m ³
		25 ppm
	TWA	123 mg/m ³
		25 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines Ensure adequate ventilation.

8.2. Exposure controls

Appropriate engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

General information Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Safety glasses. (e.g. EN 166).

Skin protection

- Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Nitrile gloves are recommended. Select suitable chemical resistant protective gloves (EN 374) with a protective index 5 (>240 min permeation time). Gloves with shorter breakthrough times may be acceptable providing that a regime of regular glove maintenance/replacement is established and managed.

- Other Wear appropriate chemical resistant clothing.

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

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Colour	Amber
Odour	Mild amine
Odour threshold	Not available.
pH	9 - 10
Melting point/freezing point	< -5 °C (< 23 °F)
Initial boiling point and boiling range	Not available.
Flash point	> 160.0 °C (> 320.0 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	962 kg/m ³
Relative density temperature	25 °C (77 °F)
Solubility(ies)	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2. Other information

Flash point class	ASTM D93-08
pH in aqueous solution	8.7 - 9.7
Specific gravity	0.956 - 0.968

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Stable at normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines.
10.5. Incompatible materials	Strong acids. Powerful oxidizers.
10.6. Hazardous decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. To avoid thermal decomposition, do not overheat.

SECTION 11: Toxicological information

General information May be irritating to eyes.

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	Not classified.
Eye contact	May be irritating to eyes.
Ingestion	Expected to be a low ingestion hazard.

Symptoms May be irritating to eyes.

11.1. Information on toxicological effects

Acute toxicity Not classified.
Skin corrosion/irritation Not classified.
Serious eye damage/eye irritation May be irritating to eyes.
Respiratory sensitisation Not classified.
Skin sensitisation This product is not expected to cause skin sensitisation.
Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity Not classifiable as to carcinogenicity to humans.
Reproductive toxicity This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure Not classified.
Specific target organ toxicity - repeated exposure Not classified.
Aspiration hazard Not classified.
Mixture versus substance information Not available.
Other information None known.

SECTION 12: Ecological information

12.1. Toxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
12.2. Persistence and degradability No data is available on the degradability of this product.
12.3. Bioaccumulative potential No data available.
Partition coefficient n-octanol/water (log K_{ow}) Not available.
Bioconcentration factor (BCF) Not available.
12.4. Mobility in soil No data available.
12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations.
Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Follow precautions for safe handling described in this safety data sheet.
EU waste code 12 01 09 Machining emulsions and solutions free of halogens
Disposal methods/information Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

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

Not regulated as dangerous goods.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

BENZISOTHIAZOL- 3(2H)-ONE (CAS 2634-33-5)

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws.

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

Not available.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or H-statements under Sections 2 to 15

H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Revision information

None.

Training information

Not available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Master Fluid Solutions cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.