



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® E950

Synonyms None.

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Supersedes date 06-November-2023

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

Identified uses Metal working fluids Applicable for industrial settings only.

Uses advised against No other uses are advised. Applicable for industrial settings only. Professional uses Consumer uses

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 +49 211/41728-016

Department responsible for information

Product safety e-mail SDS@masterfluids.com

1.4. Emergency telephone number +49 696 43 50 8409 (0800-181-7059 toll free)

Information on operation hours (CHEMTREC) 24 hours 7 days

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Health hazards

Skin corrosion/irritation Category 2

H315 - Causes skin irritation.

Serious eye damage/eye irritation Category 2

H319 - Causes serious eye irritation.

Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard Category 3

H412 - Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Contains: Amino Alcohol, Phenoxyethanol, Trimethylolpropane Polyoxypolypropylene Triamine

Hazard pictograms



Signal word Warning

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P280 Wear protective gloves/eye protection/face protection.
P273 Avoid release to the environment.

Response

P302 + P350
P305 + P351 + P338

P332 + P313
P337 + P313

If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

Storage

Store away from incompatible materials.

Disposal

Dispose of waste and residues in accordance with local authority requirements.

Supplemental label information None.

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 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
Distillates (petroleum), hydrotreated heavy naphthenic	40 - < 50	64742-52-5 265-155-0	01-2119467170-45-	649-465-00-7	
Classification: -					
Amine Neutralized Additive	5 - < 10	Mixture -	Exempt-Ionic mixture, Annex V	-	
Classification: -					
Amino Alcohol	1 - < 3	1001354-72-8 -	01-2119387550-36-	-	
Classification: Acute Tox. 4;H302, Skin Corr. 1;H314					
Trimethylolpropane Polyoxypolypropylene Triamine	1 - < 3	39423-51-3 500-105-6	01-2119556886-20-	-	
Classification: Acute Tox. 4;H302, Acute Tox. 4;H312, Eye Dam. 1;H318, Aquatic Chronic 2;H411					
Phenoxyethanol	< 1	122-99-6 204-589-7	01-2119488943-21-	603-098-00-9	
Classification: Acute Tox. 4;H302					
Other components below reportable levels	40 - < 50				

List of abbreviations and symbols that may be used above

Note L - The harmonized classification as a carcinogen does not apply because the substance contains less than 3 % DMSO extractable material as measured by IP 346.

ICG(703): The mineral oil contained can be described by one or more of the following numbers: EC No. 265-156-6, registration number 01-2119480375-34, Distillates (petroleum), hydrotreated light naphthenic; EC no. 265-155-0, registration number 01-2119467170-45, Distillates (petroleum), hydrotreated heavy naphthenic; EC no. 265-150-3, registration number 01-2119486659-16, naphtha (petroleum), hydrotreated heavy; EC no. 265-149-8, registration number 01-2119484819-18, Distillates (petroleum), hydrotreated light; EC no. 265-151-9, registration number 01-2119475133-43, naphtha (petroleum), hydrotreated light; EC 920-360-0, registration number 01-2119448343-41, hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30%).

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 skin irritation. 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 May include oxides of: Carbon oxides. Nitrogen oxides (NO _x).	
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.
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 of the SDS. Use personal protective equipment as required.
For emergency responders	Use personal protective equipment as required.
6.2. Environmental precautions	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 of the SDS. 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	No exposure limits noted for ingredient(s).
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.
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	Use personal protective equipment as required. 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	Wear 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Colour	Light brown
Odour	Mild amine
Odour threshold	Not available.
pH	8.9 - 9.9 @20°C
Melting point/freezing point	<-5 °C (<23 °F)
Initial boiling point and boiling range	100 °C (212 °F)
Flash point	>160.0 °C (>320.0 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable

Upper/lower flammability or explosive limits

Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapour pressure	<31.69 mbar @20°C
Vapour density	Not available.
Relative density	0.953 g/cm³
Relative density temperature	15 °C (59 °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 available.
Oxidising properties	Not available.

9.2. Other information

Flash point class	ASTM D93-08
Kinematic viscosity	155.8 mm²/s
Kinematic viscosity temperature	40 °C (104 °F)
pH in aqueous solution	8.8 - 9.4 @20°C at 5-10%
Specific gravity	0.947 - 0.957

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	Contact with incompatible materials. Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines.
10.5. Incompatible materials	Strong acids. Powerful oxidizers. Strong bases.
10.6. Hazardous decomposition products	To avoid thermal decomposition, do not overheat.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
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Skin contact	May be irritating to the skin.
Eye contact	May be irritating to eyes.
Ingestion	Expected to be a low ingestion hazard.
Symptoms	May be irritating to the skin. May be irritating to eyes.

11.1. Information on toxicological effects

Acute toxicity Not classified.

Product	Species	Test Results
TRIM® E950		
Acute		
Dermal		
ATEmix		44176.70682730923 mg/kg bw
Oral		
ATEmix		15586.476606115566 mg/kg bw
Components	Species	Test Results
Amino Alcohol (CAS 1001354-72-8)		
Acute		
Oral		
LD50	Rat	550 mg/kg
Phenoxyethanol (CAS 122-99-6)		
Acute		
Dermal		
LD50	Rabbit	> 2218 mg/kg
Oral		
Point estimate*		500 mg/kg bw
Trimethylolpropane Polyoxypolypropylene Triamine (CAS 39423-51-3)		
Acute		
Dermal		
LD50	Rabbit	561.6 mg/kg, 24 Hours
Point estimate*		1100 mg/kg bw
Oral		
LD50	Rat	550 mg/kg

* Point estimate = Converted acute toxicity point estimate

Skin corrosion/irritation	May be irritating to the skin. Not classified.
Serious eye damage/eye irritation	May be irritating to eyes. Not classified.
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	Not classified.
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 Harmful to aquatic life with long lasting effects.

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** No transport as bulk according to IBC - Code

SECTION 15: Regulatory information

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

Retained direct EU regulations

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

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), 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
- Conditions of restriction given for the associated entry number should be considered

Not listed.

EU legislation Regulation (EU) No. 528/2012 on biocides

None listed.

Other regulations

Not available.

**15.2. Chemical safety
assessment**

Not available.

SECTION 16: Other information

List of abbreviations

ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
SVHC: Substance of Very High Concern.
TWA : Time Weighed Average Value.
vPvB: very Persistent, very Bioaccumulative.
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.
PBT: Persistent, bioaccumulative, toxic.
Not available.

References

**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.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.

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.