

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2020/878 amending Annex II of Regulation (EC) No 1907/2006



Stock Number: 227-36904-01
Revision Date: 12-10-2023
This document replaces SDS dated: 17-03-2023
2 Letter ISO country code/language code: UK/EN

Perf check sample for HS-FID, CRM

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

1.1 Product identifier: Perf check sample for HS-FID, CRM

Stock Number: 227-36904-01

Other means of identification:

Synonyms: None Known

REACH Registration No.: None Known

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

Relevant identified uses: For Laboratory use only

Uses advised against: Uses other than recommended use.

1.3 Details of the Supplier of the Safety Data Sheet:

Supplier:

Shimadzu Europa GmbH
Albert-Hahn-Str. 6-10
47269 Duisburg
Telephone no. +49(0)203-7687-0
Fax no. +49(0)203-711045
gs@shimadzu.eu

Manufacturer:

Restek Corporation
110 Benner Circle
Bellefonte, Pa. 16823
800-356-1688

1.4 Emergency telephone number:

00 1 800-424-9300
(CHEMTREC within the US)

0870-8200418
(CHEMTREC within the UK)

00 1 703-741-5970
(Outside USA)

+1 703-741-5970
(CHEMTREC International)

Poison Centre contact information:

National Poisons Information Service (NPIS)
Email: director.birmingham.unit@npis.org
Website: <http://www.npis.org/>

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) Not classified as hazardous in accordance with CLP

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No 1272/2008 [CLP]:

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Hazard pictograms: No hazard symbols required

Supplemental Hazard information (EU): None Known

2.3 Other hazards: This substance does not meet the PBT or vPvB criteria of REACH, Annex XIII

SECTION 3: Composition/information on ingredients

3.1 Substances:

Not applicable

3.2 Mixtures:

Chemical Name	%	CAS #	EC No. REACH Registration No.	Classification (EC) No 1272/2008	M Factor	SCL	Acute Toxicity Estimates
water	99.5	7732-18-5	231-791-2 None Known		No data available	No data available	Not determined
Ethanol	0.5	64-17-5	200-578-6 None Known	Flam. Liq. 2; H225	No data available	No data available	Not determined

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Ethanol	0.5	64-17-5	200-578-6 None Known	Flam. Liq. 2; H225	No data available	No data available	Not determined
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For full text of H-statements see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

Inhalation: Remove to fresh air. This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

Eye contact: None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.

Skin Contact: Wash with soap and water.

Ingestion: No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.

Self protection of the first aider: No data available

4.2 Most important symptoms and effects, both acute and delayed: No data available

4.3 Indication of any immediate medical attention and special treatment needed: None Known

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use methods suitable to fight surrounding fire.

Unsuitable extinguishing media: None Known

5.2 Special hazards arising from the substance or mixture: Non-flammable

Hazardous Combustion Products: None Known

5.3 Advice for firefighters: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Non-emergency personnel: Non-emergency personnel should be kept clear of the area
Emergency responders: No adverse health effects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this SDS.

6.2 Environmental precautions: No data available

6.3 Methods and material for containment and cleaning up:

Small spills: Refer to information provided for large spills
Large spills: Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container

6.4 Reference to other sections: Refer to section 13 for disposal information

SECTION 7: Handling and storage

7.1 Precautions for safe handling: No special handling instructions due to toxicity.

7.2 Conditions for safe storage, including any incompatibilities:

Conditions for safe storage: Keep container closed when not in use
Materials to Avoid/Chemical Incompatibility: None Known

7.3 Specific end use(s): For Laboratory use only

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Occupational Exposure limit values:

Chemical Name	United Kingdom - Workplace Exposure Limits (WELs) - TWAs	United Kingdom - Workplace Exposure Limits (WELs) - STELs	United Kingdom - Biological Monitoring Guidance Values
Ethanol	1000 ppm TWA; 1920 mg/m ³ TWA	3000 ppm STEL (calculated); 5760 mg/m ³ STEL	No data available

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		(calculated)	
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DNEL: None Known

PNEC: None Known

8.2 Exposure controls:

Appropriate engineering controls: Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Individual protection measures, such as personal protective equipment:

Eye and face protection: Wear safety glasses when handling this product.

Skin Protection:

Hand protection: No information available

Other skin protection: Wear protective gloves when handling this product.

Respiratory Protection: No respiratory protection required under normal conditions of use.

Respirator Type(s): None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Thermal Hazards: Not applicable

Environmental exposure controls: No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance: No data available

Colour: No data available

Odour and odour threshold: No data available

Odour threshold: No data available

pH: Not applicable

Melting Point/Freezing Point (°C):

Melting point (°C): No data available

Freezing point (°C): No data available

Initial boiling point and boiling range (°C): No data available

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Flash point (°C):	No data available
Evaporation Rate (water = 1):	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper flammable or explosive limit, % in air:	No data available
Lower flammable or explosive limit, % in air:	No data available
Vapour pressure:	No data available
Vapor Density (Air=1):	No data available
Relative density (water = 1):	0.99821 g/cm ³ at 20 °C
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature (°C):	No data available
Decomposition temperature (°C):	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2 Other information:

Volatile Organic Chemicals:	0.5
Bulk density:	8.337

SECTION 10: Stability and reactivity

10.1 Reactivity:	Not expected to be reactive
10.2 Chemical stability:	Stable under normal conditions.
10.3 Possibility of hazardous reactions:	None expected under standard conditions of storage
10.4 Conditions to avoid:	No data available
10.5 Incompatible materials:	None Known
10.6 Hazardous decomposition products:	None Known

SECTION 11: Toxicological information

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11.1 Information on toxicological effects:

Acute toxicity:

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (rabbit)	INHALATION LC50 (rat)
No data available			

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

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 sensitisation:

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

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.

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:

This material is not expected to be harmful to the ecology.

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Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available				

12.2 Persistence and degradability: No data
12.3 Bioaccumulative potential: No data available
12.4 Mobility in soil: No data available
12.5 Results of PBT and vPvB assessment: No data available
12.6 Other adverse effects: None Known
12.7 Additional information: No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Disposal methods: Dispose of by waste water treatment following Federal, State, Local, or Provincial regulations.

Waste codes / waste designations according to LoW: No data available

SECTION 14: Transport information

International carriage of dangerous goods by road (ADR), rail or inland waterways:

14.1 UN number: Not regulated
14.2 UN proper shipping name: DOT Not Regulated
14.3 Transport hazard class(es): Not applicable
14.4 Packing group: Not applicable

International carriage of dangerous goods by air (IATA):

14.1 UN number: Not regulated.
14.2 UN proper shipping name: IATA Not Regulated
14.3 Transport hazard class(es): Not applicable
14.4 Packing group: Not applicable

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14.5 Environmental hazards: No
14.6 Special precautions for user: No data available
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: No data available

SECTION 15: Regulatory information

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

Chemical Name	EINECS	SVHC
No data available		

15.2 Chemical Safety Assessment No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Revision Date: 12-10-2023

Indication of changes: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

Abbreviations and acronyms:

- CAS = Chemical Abstract Service
- DNEL= Derivative No Effect Level
- EC= European Community
- EINECS = European Inventory of Existing Chemical Substances
- MSHA = Mine Safety Health Administration
- NIOSH = National Institute of Occupational Safety & Health
- OEL = Occupational Exposure Limit
- PBT= Persistent, Bioaccumulative, Toxic
- PNEC= Predicted No Effect Concentration
- SCOEL= Scientific Committee on Occupational Exposure Limits
- TLV = Threshold Limit Value
- TWA= Time Weighted Average
- vPvB= Very Persistent, Very Bioaccumulative
- Wt.% = Weight Percent

Key literature references and sources for data: No data available

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Hazard phrase(s) referenced in section 3 H225 - Highly flammable liquid and vapour

Disclaimer of Liability:

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