

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Date of issue: 05/12/2025

Revised on 05/12/2025

1 Identification

- **Product Identifier**
- **Trade Name: Potassium Eluant for Biogenic Amines Analysis**
- **Other means of identification**
- **Product Number:** K600
- **Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information available.
- **Product Description:** Potassium Eluant for Biogenic Amines Analysis
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Pickering Laboratories, Inc.
1280 Space Park Way
Mountain View, CA 94043
Phone: (650) 694-6700
Fax: (650) 968-0749
www.pickeringlabs.com
support@pickeringlabs.com
- **Emergency telephone number:**
Clean Harbors Environmental Services
1-800-645-8265

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Flame

Flammable liquids 3 H226 Flammable liquid and vapor.



Eye irritation 2A H319 Causes serious eye irritation.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Warning
- **Hazard statements:**
H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.
- **Precautionary statements:**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground / bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharge.

(Contd. on page 2)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Date of issue: 05/12/2025

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Trade Name: Potassium Eluant for Biogenic Amines Analysis

- P264 Wash thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- 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.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values. 0 % of the mixture consists of component(s) of unknown toxicity.

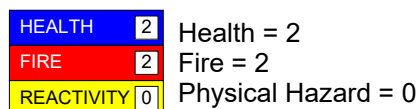
· **Information pertaining to particular dangers for man and environment:**

· **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **Hazard(s) not otherwise classified (HNOC):** None

· **Classification according to (d)(1)(ii) of § 1910.1200**

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

· **Hazards not otherwise classified**

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3 Composition/Information on Ingredients

· **Chemical characterization: Substance**

· **Description:**

Mixture of substances listed with non-hazardous additions and/or components that are less than listing threshold. All non-hazardous, components listed under threshold, and listed component total 100%.

· **Dangerous Components:**

CAS: 67-63-0	Isopropanol	5-12%
RTECS: NT 8050000	Flammable liquids 2, H225; Eye irritation 2A, H319; Specific target organ toxicity (single exposure) 3, H336	

(Contd. on page 3)

Safety Data Sheet

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Trade Name: Potassium Eluant for Biogenic Amines Analysis

CAS: 7758-11-4	Dipotassium phosphate, dibasic	≤1%
CAS: 64-19-7 RTECS: AF 1225000	Acetic Acid <ul style="list-style-type: none"> ⚠ Flammable liquids 3, H226; ⚠ Skin corrosion 1A, H314; Eye damage 1, H318; ⚠ Acute toxicity - dermal 4, H312; Acute toxicity - inhalation 4, H332 Specific concentration limits: Skin Corrosion 1A; H314: C ≥ 90 % Skin Corrosion 1B; H314: 25 % ≤ C < 90 % Skin Irritation 2; H315: 10 % ≤ C < 25 % Eye Irritation 2; H319: 10 % ≤ C < 25 % 	≤0.5%

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

Description of first aid measures

General information: If symptoms persist, call a physician.

After inhalation:

Not anticipated under normal use.

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in the side position for transportation.

After skin contact:

Wash with soap and water.

If skin irritation occurs, consult a doctor.

After eye contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

If easy to do so, remove contact lenses if worn.

If eye irritation occurs, consult a doctor.

After swallowing:

Rinse mouth with water ensuring that rinse is not swallowed. Drink 2 glasses of water to dilute and induce vomiting by touching finger to the back of the victims throat. Get medical assistance immediately.

If swallowed and symptoms occur, consult a doctor.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-Fighting Measures

Extinguishing media

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: No further relevant information.

Special hazards arising from the substance or mixture:

Combustible liquid. Vapors can travel to a source of ignition and flash back.

Explosive mixtures may occur at temperatures at or above flashpoint.

Advice for firefighters

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

(Contd. on page 4)

Safety Data Sheet

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- **Environmental precautions:** Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
 Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
 Dispose of contaminated material as waste according to section 13.
 Ensure adequate ventilation.
 Dispose of the collected material according to regulations.

· **PAC-1:**

67-63-0	Isopropanol	400 ppm
7758-11-4	Dipotassium phosphate, dibasic	13 mg/m ³
64-19-7	Acetic Acid	5 ppm

· **PAC-2:**

67-63-0	Isopropanol	2000* ppm
7758-11-4	Dipotassium phosphate, dibasic	140 mg/m ³
64-19-7	Acetic Acid	35 ppm

· **PAC-3:**

67-63-0	Isopropanol	12000** ppm
7758-11-4	Dipotassium phosphate, dibasic	830 mg/m ³
64-19-7	Acetic Acid	250 ppm

· **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.

7 Handling and Storage

· **Precautions for safe handling:**

- Avoid contact with skin, eyes and clothing
- Avoid breathing fumes.
- Use personal protection equipment as outlined in section 8.
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.

· **Information about protection against explosions and fires:**

- Keep ignition sources away - Do not smoke.
- Protect from heat.
- Protect against electrostatic charges.

· **Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

- Store in dry conditions at a temperature range of 8°C - 25°C.
- Keep away from any sources of heat or flame.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

- Keep receptacle tightly sealed.
- Protect from heat and direct sunlight.

· **Specific end use(s):** No further relevant information available.

(Contd. on page 5)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

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Trade Name: Potassium Eluant for Biogenic Amines Analysis

8 Exposure Controls/Personal Protection

- **Control parameters:**

- **Components with occupational exposure limits:**

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

67-63-0 Isopropanol	
PEL	Long-term value: 980 mg/m ³ , 400 ppm
REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 491 mg/m ³ , 200 ppm BEI, A4

- **Ingredients with biological limit values:**

67-63-0 Isopropanol	
BEI	40 mg/L urine end of shift at end of workweek Acetone (background, nonspecific)

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

- **Exposure controls:**

- **Appropriate engineering controls** No further data; see section 7.

- **Personal protective equipment**

- **General protective and hygienic measures:**

Use adequate exhaust ventilation to prevent inhalation of product vapors.

Do not eat or drink while handling product.

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

- **Breathing equipment:**

Respiratory protection is not required unless handling of the material produces nuisance airborne concentrations.

- **Protection of hands:** Not required.

- **Material of gloves:** Latex or vinyl

- **Penetration time of glove material:** Not applicable.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Lab coat

- **Limitation and supervision of exposure into the environment:** None

(Contd. on page 6)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

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Revised on 05/12/2025

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9 Physical and Chemical Properties

· Information on basic physical and chemical properties	
· General Information	
· Physical state	Liquid
· Color:	Colorless
· Odor:	Odorless
· Odor threshold:	Not determined.
· Melting point/Melting range:	Not determined.
· Boiling point/Boiling range:	Not determined.
· Flammability:	Flammable.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	41 °C (105.8 °F)
· Auto igniting:	≥456 °C (≥852.8 °F)
· Decomposition temperature:	Not determined.
· pH-value @ 20 °C (68 °F):	6 (+/- 0.1)
· Viscosity:	
· Kinematic:	Not determined.
· Dynamic:	Not determined.
· Solubility in / Miscibility with:	
· Water:	Aqueous solution
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure @ 20 °C (68 °F):	≤23 hPa (≤17.3 mm Hg)
· Vapor pressure:	
· Density @ 20 °C (68 °F):	0.9792 g/cm ³ (8.1714 lbs/gal)
· Relative density:	Not determined.
· Vapor density:	Not determined.
· Particle characteristics	Not applicable.
· Other information:	
· Appearance:	
· Form:	Liquid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not self-igniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Solvent content:	
· VOC content:	11.3 788.9 g/l / 6.58 lb/gal
· Solids content:	0.9 %
· Change in condition	
· Evaporation rate:	Not determined.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Heat, flame and ignition sources.

(Contd. on page 7)

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OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

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- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
67-63-0 Isopropanol		
Oral	LD50	5,045 mg/kg (Rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (Rat)
	LC50/96 hours	9,640 mg/l (Pimephales)

- **Primary irritant effect:**
- **On the skin:** Mild irritant effect.
- **On the eye:** Irritating effect.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Interactive effects** No interactive effects between components are known.
- **Carcinogenic categories:**

· IARC (International Agency for Research on Cancer):		
67-63-0	Isopropanol	3

- **NTP (National Toxicology Program):**
None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):		
None of the ingredients are listed.		

- **Alternative sources for toxicological information**
No non-standard sources for toxicological information where used.

12 Ecological Information

- **Toxicity:**

· Aquatic toxicity:		
67-63-0 Isopropanol		
EC50	6,851 mg/l (Green algae)	
	5,102 mg/l (Water flea)	

- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 8)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

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- **Other adverse effects:**
- **Additional ecological information:**
- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Do not allow product to reach sewage system.
This product may be mixed with a combustible solvent and burned in a chemical incinerator equipped with an after burner and scrubber. This product can also be sent to an EPA approved waste disposal facility.
Observe all federal, state and local environmental regulations when disposing of this material.
- **Waste disposal key:** US EPA RCRA waste code D001 (ignitability characteristic).
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

*14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, IMDG, IATA** UN1993
- **UN proper shipping name:**
- **DOT** Flammable liquids, n.o.s. (Isopropanol)
- **ADR/ADN** UN1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))
- **IMDG, IATA** FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

- **Transport hazard class(es):**
- **DOT**



- **Class:** 3 Flammable liquids
- **Label:** 3

- **ADR/ADN**



- **Class:** 3 (F1) Flammable liquids
- **Label:** 3

(Contd. on page 9)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

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· **IMDG, IATA**



- **Class:** 3 Flammable liquids
- **Label:** 3
- **Packing group:** III
- **DOT, ADR/ADN, IMDG, IATA** III
- **Environmental hazards:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **Transport/Additional information:**
- **DOT**
- **Quantity limitations:** On passenger aircraft/rail: 60 L
On cargo aircraft only: 220 L

· **ADR/ADN**

- **Excepted quantities (EQ):** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

· **IMDG**

- **Limited quantities (LQ):** 5L
- **Excepted quantities (EQ):** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
Warning: Flammable liquids
- **Special precautions for user:**
- **Hazard identification number (Kemler code):** 30
- **EMS Number:** F-E,S-E
- **Stowage Category:** A
- **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), 3, III

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
No further relevant information available.
- **SARA (Superfund Amendments and Reauthorization):**

· Section 355 (extremely hazardous substances): None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings): 67-63-0 Isopropanol

· TSCA (Toxic Substances Control Act): All components have the value ACTIVE.
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· Hazardous Air Pollutants None of the ingredients are listed.
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(Contd. on page 10)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

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· **California Proposition 65:**

· Chemicals known to cause cancer:	None of the ingredients are listed.
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· Chemicals known to cause reproductive toxicity for females:	None of the ingredients are listed.
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· Chemicals known to cause reproductive toxicity for males:	None of the ingredients are listed.
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· Chemicals known to cause developmental toxicity:	None of the ingredients are listed.
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· New Jersey Right-to-Know List:	
67-63-0	Isopropanol
64-19-7	Acetic Acid

· New Jersey Special Hazardous Substance List:		
67-63-0	Isopropanol	F3
64-19-7	Acetic Acid	CO, F2

· Pennsylvania Right-to-Know List:	
67-63-0	Isopropanol
64-19-7	Acetic Acid

· Pennsylvania Special Hazardous Substance List:		
67-63-0	Isopropanol	E
64-19-7	Acetic Acid	E

· **Carcinogenic categories:**

· EPA (Environmental Protection Agency):	None of the ingredients are listed.
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· **TLV (Threshold Limit Value established by ACGIH):**

67-63-0	Isopropanol	A4
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· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.	
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· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



· **Signal word:** Warning

· **Hazard statements:**

- H226 Flammable liquid and vapor.
- H319 Causes serious eye irritation.

· **Precautionary statements:**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground / bond container and receiving equipment.
- P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

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P242	Use non-sparking tools.
P243	Take action to prevent static discharge.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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.
P370+P378	In case of fire: Use CO ₂ , powder or water spray to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of previous version** 02/12/2021

· **Version number of previous version:** 11

· **Date of preparation** 05/12/2025

· **Abbreviations and acronyms:**

- ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- 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)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- 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
- NIOSH: National Institute for Occupational Safety and Health
- OSHA: Occupational Safety & Health Administration
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- BEI: Biological Exposure Limit
- Flammable liquids 2: Flammable liquids – Category 2
- Flammable liquids 3: Flammable liquids – Category 3
- Acute toxicity - dermal 4: Acute toxicity – Category 4
- Skin corrosion 1A: Skin corrosion/irritation – Category 1A
- Eye damage 1: Serious eye damage/eye irritation – Category 1
- Eye irritation 2A: Serious eye damage/eye irritation – Category 2A
- Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3

· *** Data compared to the previous version altered.**

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