





Section 2. Hazards identification

Hazard pictograms	: 7500 Series PA Tuning 1	
	7500 Series PA Tuning 2	
Signal word	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Danger Danger
Hazard statements	: 7500 Series PA Tuning 1	H290 - May be corrosive to metals. H314 - Causes severe skin burns and eye damage. H331 - Toxic if inhaled. H373 - May cause damage to organs through prolonged or repeated exposure. (teeth) H400 - Very toxic to aquatic life. H411 - Toxic to aquatic life with long lasting effects.
	7500 Series PA Tuning 2	H290 - May be corrosive to metals. H314 - Causes severe skin burns and eye damage. H331 - Toxic if inhaled. H335 - May cause respiratory irritation. H373 - May cause damage to organs through prolonged or repeated exposure. (teeth)
<u>Precautionary statements</u>		
Prevention	:  7500 Series PA Tuning 1	P280 - Wear protective gloves, protective clothing and eye or face protection. P273 - Avoid release to the environment. P260 - Do not breathe vapor.
	7500 Series PA Tuning 2	P280 - Wear protective gloves, protective clothing and eye or face protection. P260 - Do not breathe vapor.
Response	:  7500 Series PA Tuning 1	P391 - Collect spillage. P304 + P310 - IF INHALED: Immediately call a POISON CENTER or doctor. P304 + P310 - IF INHALED: Immediately call a POISON CENTER or doctor. P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
	7500 Series PA Tuning 2	
Storage	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not applicable. P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	: 7500 Series PA Tuning 1	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	7500 Series PA Tuning 2	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: 7500 Series PA Tuning 1	Do not taste or swallow. Wash thoroughly after handling.
	7500 Series PA Tuning 2	Do not taste or swallow. Wash thoroughly after handling.
<u>2.3 Other hazards</u>		
Hazards not otherwise classified	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Causes digestive tract burns. Causes digestive tract burns.

Section 3. Composition/information on ingredients

Substance/mixture : 7500 Series PA Tuning 1 Mixture
7500 Series PA Tuning 2 Mixture

Ingredient name	%	CAS number
7500 Series PA Tuning 1		
nitric acid	<6.5	7697-37-2
Cadmium	≤0.0023	7440-43-9
Zinc	<0.01	7440-66-6
Nickel	<0.01	7440-02-0
Lead	≤0.0011	7439-92-1
7500 Series PA Tuning 2		
Hydrochloric acid	≥10 - ≤25	7647-01-0
nitric acid	≤2.8	7697-37-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

4.1 Description of necessary first aid measures

<p>Eye contact : 7500 Series PA Tuning 1</p> <p style="text-align: right;">7500 Series PA Tuning 2</p>	<p>Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.</p> <p>Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.</p>
<p>Inhalation : 7500 Series PA Tuning 1</p> <p style="text-align: right;">7500 Series PA Tuning 2</p>	<p>Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</p> <p>Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for</p>

Section 4. First aid measures

Skin contact	: 7500 Series PA Tuning 1	<p>breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</p>
	7500 Series PA Tuning 2	<p>Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p>
		<p>Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p>
Ingestion	: 7500 Series PA Tuning 1	<p>Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
	7500 Series PA Tuning 2	<p>Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be</p>

Section 4. First aid measures

kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Causes serious eye damage. Causes serious eye damage.
Inhalation	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Toxic if inhaled. Toxic if inhaled. May cause respiratory irritation.
Skin contact	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Causes severe burns. Causes severe burns.
Ingestion	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Corrosive to the digestive tract. Causes burns. Corrosive to the digestive tract. Causes burns.

Over-exposure signs/symptoms

Eye contact	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Adverse symptoms may include the following: pain watering redness Adverse symptoms may include the following: pain watering redness
Inhalation	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	No specific data. Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Adverse symptoms may include the following: pain or irritation redness blistering may occur Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Adverse symptoms may include the following: stomach pains Adverse symptoms may include the following: stomach pains

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	No specific treatment. No specific treatment.

Section 4. First aid measures

Protection of first-aiders	: 7500 Series PA Tuning 1	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
	7500 Series PA Tuning 2	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	: 7500 Series PA Tuning 1	Use an extinguishing agent suitable for the surrounding fire.
	7500 Series PA Tuning 2	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: 7500 Series PA Tuning 1	None known.
	7500 Series PA Tuning 2	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: 7500 Series PA Tuning 1	In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
	7500 Series PA Tuning 2	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: 7500 Series PA Tuning 1	Decomposition products may include the following materials: nitrogen oxides
	7500 Series PA Tuning 2	Decomposition products may include the following materials: nitrogen oxides halogenated compounds

5.3 Advice for firefighters

Special protective actions for fire-fighters	: 7500 Series PA Tuning 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	7500 Series PA Tuning 2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Section 5. Fire-fighting measures

Special protective equipment for fire-fighters : 7500 Series PA Tuning 1

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

7500 Series PA Tuning 2

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : 7500 Series PA Tuning 1

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

7500 Series PA Tuning 2

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : 7500 Series PA Tuning 1

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

7500 Series PA Tuning 2

6.2 Environmental precautions : 7500 Series PA Tuning 1

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

7500 Series PA Tuning 2

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Section 6. Accidental release measures

Methods for cleaning up	: 7500 Series PA Tuning 1	Stop leak if without risk. Move containers from spill area. The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Absorb spillage to prevent material damage. Dispose of via a licensed waste disposal contractor.
	7500 Series PA Tuning 2	Stop leak if without risk. Move containers from spill area. The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Absorb spillage to prevent material damage. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures	: 7500 Series PA Tuning 1	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage.
	7500 Series PA Tuning 2	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage.
Advice on general occupational hygiene	: 7500 Series PA Tuning 1	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	7500 Series PA Tuning 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Section 7. Handling and storage

7500 Series PA Tuning 1

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in a corrosion resistant container with a resistant inner liner. Store locked up. Separate from alkalis. Keep away from metals. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7500 Series PA Tuning 2

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in a corrosion resistant container with a resistant inner liner. Store locked up. Separate from alkalis. Keep away from metals. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
7500 Series PA Tuning 1 nitric acid	<p>ACGIH TLV (United States, 3/2020). TWA: 2 ppm 8 hours. TWA: 5.2 mg/m³ 8 hours. STEL: 4 ppm 15 minutes. STEL: 10 mg/m³ 15 minutes.</p> <p>OSHA PEL 1989 (United States, 3/1989). TWA: 2 ppm 8 hours. TWA: 5 mg/m³ 8 hours. STEL: 4 ppm 15 minutes. STEL: 10 mg/m³ 15 minutes.</p> <p>NIOSH REL (United States, 10/2016). TWA: 2 ppm 10 hours. TWA: 5 mg/m³ 10 hours. STEL: 4 ppm 15 minutes. STEL: 10 mg/m³ 15 minutes.</p> <p>OSHA PEL (United States, 5/2018). TWA: 2 ppm 8 hours. TWA: 5 mg/m³ 8 hours.</p>

Section 8. Exposure controls/personal protection

Cadmium

OSHA PEL 1989 (United States, 3/1989).
 TWA: 5 µg/m³ 8 hours.
 TWA: 0.2 mg/m³, (as Cd) 8 hours. Form: Dust
 CEIL: 0.6 mg/m³, (as Cd) Form: Dust
 TWA: 0.1 mg/m³, (as Cd) 8 hours. Form:
 Fume
 CEIL: 0.3 mg/m³, (as Cd) Form: Fume
OSHA PEL Z2 (United States, 2/2013).
 TWA: 0.2 mg/m³ 8 hours. Form: Dust
 CEIL: 0.6 mg/m³ Form: Dust
 TWA: 0.1 mg/m³ 8 hours. Form: Fume
 CEIL: 0.3 mg/m³ Form: Fume
OSHA PEL (United States, 5/2018).
 TWA: 5 µg/m³, (as Cd) 8 hours.
ACGIH TLV (United States, 3/2020).
 TWA: 0.002 mg/m³, (as Cd) 8 hours. Form:
 Respirable fraction

Zinc
Nickel

None.
OSHA PEL 1989 (United States, 3/1989).
 TWA: 1 mg/m³, (as Ni) 8 hours.
NIOSH REL (United States, 10/2016).
 TWA: 0.015 mg/m³, (as Ni) 10 hours.
ACGIH TLV (United States, 3/2020).
 TWA: 1.5 mg/m³ 8 hours. Form: Inhalable
 fraction
OSHA PEL (United States, 5/2018).
 TWA: 1 mg/m³, (as Ni) 8 hours.
ACGIH TLV (United States, 3/2020).
 TWA: 0.05 mg/m³, (as Pb) 8 hours.
NIOSH REL (United States, 10/2016).
 TWA: 0.05 mg/m³ 8 hours.
OSHA PEL (United States, 5/2018).
 TWA: 50 µg/m³, (as Pb) 8 hours.
OSHA PEL 1989 (United States, 3/1989).
 TWA: 50 µg/m³, (as Pb) 8 hours.

Lead

7500 Series PA Tuning 2
Hydrochloric acid

ACGIH TLV (United States, 3/2020).
 C: 2 ppm
OSHA PEL 1989 (United States, 3/1989).
 CEIL: 5 ppm
 CEIL: 7 mg/m³
NIOSH REL (United States, 10/2016).
 CEIL: 5 ppm
 CEIL: 7 mg/m³
OSHA PEL (United States, 5/2018).
 CEIL: 5 ppm
 CEIL: 7 mg/m³

nitric acid

ACGIH TLV (United States, 3/2020).
 TWA: 2 ppm 8 hours.
 TWA: 5.2 mg/m³ 8 hours.
 STEL: 4 ppm 15 minutes.
 STEL: 10 mg/m³ 15 minutes.
OSHA PEL 1989 (United States, 3/1989).
 TWA: 2 ppm 8 hours.
 TWA: 5 mg/m³ 8 hours.
 STEL: 4 ppm 15 minutes.
 STEL: 10 mg/m³ 15 minutes.

Section 8. Exposure controls/personal protection

NIOSH REL (United States, 10/2016).

TWA: 2 ppm 10 hours.

TWA: 5 mg/m³ 10 hours.

STEL: 4 ppm 15 minutes.

STEL: 10 mg/m³ 15 minutes.

OSHA PEL (United States, 5/2018).

TWA: 2 ppm 8 hours.

TWA: 5 mg/m³ 8 hours.

8.2 Exposure controls

Appropriate engineering controls

- : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

- : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection

- : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

- : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

- : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

- : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Liquid. Liquid.
Color	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.

Section 9. Physical and chemical properties

Odor	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Odor threshold	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
pH	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	<2 <2
Melting point	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Boiling point	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Flash point	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Evaporation rate	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Flammability (solid, gas)	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not applicable. Not applicable.
Lower and upper explosive (flammable) limits	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Vapor pressure	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Vapor density	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Relative density	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Solubility	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Easily soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Auto-ignition temperature	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Decomposition temperature	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.
Viscosity	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Not available. Not available.

Section 10. Stability and reactivity

10.1 Reactivity	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: 7500 Series PA Tuning 1 7500 Series PA Tuning 2	No specific data. No specific data.

Section 10. Stability and reactivity

10.5 Incompatible materials : 7500 Series PA Tuning 1

Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.

Reactive or incompatible with the following materials:

alkalis
metals

7500 Series PA Tuning 2

Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.

Reactive or incompatible with the following materials:

alkalis
metals

10.6 Hazardous decomposition products : 7500 Series PA Tuning 1

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

7500 Series PA Tuning 2

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure	
7500 Series PA Tuning 1 nitric acid	LC50 Inhalation Vapor	Rat	2500 ppm	1 hours	
	LC50 Inhalation Vapor	Rat	130 mg/m ³	4 hours	
	Lead	LC50 Inhalation Dusts and mists	Rat - Male, Female	>5.05 mg/l	4 hours
		LD50 Dermal	Rat - Male, Female	>2000 mg/kg	-
	LD50 Oral	Rat - Male, Female	>2000 mg/kg	-	
7500 Series PA Tuning 2 nitric acid	LC50 Inhalation Vapor	Rat	2500 ppm	1 hours	
	LC50 Inhalation Vapor	Rat	130 mg/m ³	4 hours	

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Classification

Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
7500 Series PA Tuning 1 Cadmium Nickel Lead	+ - -	1 2B 2B	Known to be a human carcinogen. Reasonably anticipated to be a human carcinogen. Reasonably anticipated to be a human carcinogen.
7500 Series PA Tuning 2 Hydrochloric acid	-	3	-

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
7500 Series PA Tuning 1 nitric acid	Category 3	-	Respiratory tract irritation
7500 Series PA Tuning 2 Hydrochloric acid	Category 3	-	Respiratory tract irritation
nitric acid	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
7500 Series PA Tuning 1 nitric acid Cadmium	Category 2 Category 1	- inhalation	teeth bones, kidneys, lungs
Nickel Lead	Category 1 Category 1	inhalation oral, inhalation	respiratory tract blood system, kidneys, nervous system
7500 Series PA Tuning 2 nitric acid	Category 2	-	teeth

Aspiration hazard

Not available.

Information on the likely routes of exposure : 7500 Series PA Tuning 1
7500 Series PA Tuning 2

Routes of entry anticipated: Oral, Dermal, Inhalation.

Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact : 7500 Series PA Tuning 1
7500 Series PA Tuning 2

Causes serious eye damage.
Causes serious eye damage.

Inhalation : 7500 Series PA Tuning 1
7500 Series PA Tuning 2

Toxic if inhaled.
Toxic if inhaled. May cause respiratory irritation.

Skin contact : 7500 Series PA Tuning 1
7500 Series PA Tuning 2

Causes severe burns.
Causes severe burns.

Section 11. Toxicological information

Ingestion : 7500 Series PA Tuning 1 Corrosive to the digestive tract. Causes burns.
7500 Series PA Tuning 2 Corrosive to the digestive tract. Causes burns.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : 7500 Series PA Tuning 1 Adverse symptoms may include the following:
pain
watering
redness
7500 Series PA Tuning 2 Adverse symptoms may include the following:
pain
watering
redness

Inhalation : 7500 Series PA Tuning 1 No specific data.
7500 Series PA Tuning 2 Adverse symptoms may include the following:
respiratory tract irritation
coughing

Skin contact : 7500 Series PA Tuning 1 Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
7500 Series PA Tuning 2 Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur

Ingestion : 7500 Series PA Tuning 1 Adverse symptoms may include the following:
stomach pains
7500 Series PA Tuning 2 Adverse symptoms may include the following:
stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General : 7500 Series PA Tuning 1 May cause damage to organs through prolonged or repeated exposure.
7500 Series PA Tuning 2 May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity : 7500 Series PA Tuning 1 No known significant effects or critical hazards.
7500 Series PA Tuning 2 No known significant effects or critical hazards.

Mutagenicity : 7500 Series PA Tuning 1 No known significant effects or critical hazards.
7500 Series PA Tuning 2 No known significant effects or critical hazards.

Reproductive toxicity : 7500 Series PA Tuning 1 No known significant effects or critical hazards.
7500 Series PA Tuning 2 No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Section 11. Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
7500 Series PA Tuning 1					
7500 Series PA Tuning 1 nitric acid	N/A	N/A	N/A	2.6	32.2
Cadmium	N/A	N/A	N/A	0.13	1.61125
Lead	225	N/A	N/A	N/A	0.05
	2500	2500	N/A	N/A	N/A
7500 Series PA Tuning 2					
7500 Series PA Tuning 2 Hydrochloric acid	N/A	N/A	N/A	5.8	161.1
nitric acid	N/A	N/A	N/A	1.038	N/A
	N/A	N/A	N/A	0.13	1.61125

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
7500 Series PA Tuning 1			
nitric acid	Acute LC50 180000 µg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
Cadmium	Acute LC50 72 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Acute EC50 97 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata - Exponential growth phase	72 hours
	Acute EC50 0.095 mg/l Marine water	Algae - Ulva pertusa	96 hours
Zinc	Acute EC50 200 µg/l Fresh water	Aquatic plants - Lemna minor	4 days
	Acute EC50 13.5 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 0.072 µg/l Marine water	Crustaceans - Amphipoda - Adult	48 hours
	Acute LC50 1 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 2 µg/l Fresh water	Algae - Parachlorella kessleri - Exponential growth phase	72 hours
	Chronic NOEC 0.02 µg/l Fresh water	Fish - Cyprinus carpio	4 weeks
	Acute EC50 0.005 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 10000 µg/l Fresh water	Aquatic plants - Lemna minor	4 days
	Acute IC50 65 µg/l Marine water	Algae - Nitzschia closterium - Exponential growth phase	4 days
	Acute LC50 65 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
Nickel	Acute LC50 68 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 12.21 µg/l Marine water	Fish - Periophthalmus waltoni - Adult	96 hours
	Chronic EC10 27.3 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata - Exponential growth phase	72 hours
	Chronic EC10 59.2 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 9 mg/l Fresh water	Aquatic plants - Ceratophyllum demersum	3 days
Nickel	Chronic NOEC 178 µg/l Marine water	Crustaceans - Palaemon elegans	21 days
	Chronic NOEC 2.6 µg/l Fresh water	Fish - Cyprinus carpio	4 weeks
	Acute EC50 2 ppm Marine water	Algae - Macrocyctis pyrifera -	4 days

Section 12. Ecological information

Lead	Acute EC50 450 µg/l Fresh water	Young	4 days
	Acute EC50 1000 µg/l Marine water	Aquatic plants - Lemna minor	48 hours
	Acute IC50 0.31 mg/l Marine water	Daphnia - Daphnia magna	48 hours
	Acute LC50 47.5 ng/L Fresh water	Crustaceans - Americamysis bahia - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 100 mg/l Marine water	Fish - Heteropneustes fossilis	72 hours
	Chronic NOEC 3.5 µg/l Fresh water	Algae - Glenodinium halli	4 weeks
7500 Series PA Tuning 2 Hydrochloric acid	Acute EC50 105 ppb Marine water	Algae - Chaetoceros sp. - Exponential growth phase	72 hours
	Acute EC50 0.489 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute EC50 8000 µg/l Fresh water	Aquatic plants - Lemna minor	4 days
	Acute LC50 530 µg/l Fresh water	Crustaceans - Ceriodaphnia reticulata	48 hours
	Acute LC50 0.594 mg/l Fresh water	Daphnia - Daphnia magna	96 hours
	Acute LC50 0.44 ppm Fresh water	Fish - Cyprinus carpio - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
nitric acid	Chronic NOEC 0.25 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0.03 µg/l Fresh water	Fish - Cyprinus carpio	4 weeks
	Acute LC50 240000 µg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
	Acute LC50 282 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Acute LC50 180000 µg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
	Acute LC50 72 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours

12.2 Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
7500 Series PA Tuning 1 nitric acid	-	-	Readily
7500 Series PA Tuning 2 nitric acid	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
7500 Series PA Tuning 1 nitric acid	-0.21	-	low
7500 Series PA Tuning 2 nitric acid	-0.21	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods








: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number	UN3264	UN3264	UN3264	UN3264	UN3264
UN proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric acid, nitric acid)	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O. S. (Hydrochloric acid, nitric acid)	LIQUIDO CORROSIVO, ACIDO, INORGANICO, N. E.P. (Hydrochloric acid, nitric acid)	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O. S. (Hydrochloric acid, nitric acid)	Corrosive liquid, acidic, inorganic, n. o.s. (Hydrochloric acid, nitric acid)
Transport hazard class(es)	8 	8  	8 	8  	8 
Packing group	III	III	III	III	III
Environmental hazards	No.	Yes.	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.

Additional information

DOT Classification

: **Reportable quantity** 33333.3 lbs / 15133.3 kg. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

Limited quantity Yes.

Packaging instruction Exceptions: 154. Non-bulk: 203. Bulk: 241.

Quantity limitation Passenger aircraft/rail: 5 L. Cargo aircraft: 60 L.

Special provisions IB3, T7, TP1, TP28

Section 14. Transport information

- TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2.42 (Class 8), 2.7 (Marine pollutant mark).
The marine pollutant mark is not required when transported by road or rail.
Explosive Limit and Limited Quantity Index 5
Passenger Carrying Road or Rail Index 5
Special provisions 16
- Mexico Classification** : **Special provisions** 223, 274
- IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
Emergency schedules F-A, S-B
Special provisions 223, 274
- IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.
Quantity limitation Passenger and Cargo Aircraft: 5 L. Packaging instructions: 852.
Cargo Aircraft Only: 60 L. Packaging instructions: 856. Limited Quantities - Passenger Aircraft: 1 L. Packaging instructions: Y841.
Special provisions A3, A803
- Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
- Transport in bulk according to IMO instruments** : Not available.

Section 15. Regulatory information

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

- U.S. Federal regulations** : **TSCA 6 proposed risk management:** Lead
TSCA 8(a) PAIR: Indium
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
Commerce control list precursor: Hydrogen fluoride
Clean Water Act (CWA) 307: Arsenic; Cadmium; Beryllium; Zinc; Nickel; Lead; Chromium; Copper; Thallium nitrate; Antimony
Clean Water Act (CWA) 311: nitric acid; Sodium; Hydrochloric acid; Hydrogen fluoride
Clean Air Act (CAA) 112 regulated toxic substances: nitric acid; Hydrochloric acid
- Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed
- Clean Air Act Section 602 Class I Substances** : Not listed
- Clean Air Act Section 602 Class II Substances** : Not listed
- DEA List I Chemicals (Precursor Chemicals)** : Not listed
- DEA List II Chemicals (Essential Chemicals)** : Listed
- SARA 302/304**
Composition/information on ingredients

Section 15. Regulatory information

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
7500 Series PA Tuning 1 nitric acid	<6.5	Yes.	1000	85.7	1000	85.7
7500 Series PA Tuning 2 Hydrochloric acid	≥10 - ≤25	Yes.	500	-	5000	-
nitric acid	≤2.8	Yes.	1000	85.7	1000	85.7
Hydrogen fluoride	≤0.3	Yes.	100	-	100	-

SARA 304 RQ : 33333.3 lbs / 15133.3 kg

SARA 311/312

Classification : 7500 Series PA Tuning 1
CORROSIVE TO METALS - Category 1
ACUTE TOXICITY (inhalation) - Category 3
SKIN CORROSION - Category 1
SERIOUS EYE DAMAGE - Category 1
HNO₂ - Corrosive to digestive tract

7500 Series PA Tuning 2
CORROSIVE TO METALS - Category 1
ACUTE TOXICITY (inhalation) - Category 3
SKIN CORROSION - Category 1
SERIOUS EYE DAMAGE - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Respiratory tract irritation) - Category 3
HNO₂ - Corrosive to digestive tract

Composition/information on ingredients

Name	%	Classification
7500 Series PA Tuning 1 nitric acid	<6.5	OXIDIZING LIQUIDS - Category 2 CORROSIVE TO METALS - Category 1 ACUTE TOXICITY (inhalation) - Category 1 SKIN CORROSION - Category 1A SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 HNO ₂ - Corrosive to digestive tract
7500 Series PA Tuning 2 Hydrochloric acid	≥10 - ≤25	ACUTE TOXICITY (inhalation) - Category 2 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNO ₂ - Corrosive to digestive tract
nitric acid	≤2.8	OXIDIZING LIQUIDS - Category 2 CORROSIVE TO METALS - Category 1 ACUTE TOXICITY (inhalation) - Category 1 SKIN CORROSION - Category 1A SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 HNO ₂ - Corrosive to digestive tract

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	7500 Series PA Tuning 1		
	nitric acid	7697-37-2	<6.5
	Lead	7439-92-1	≤0.0011
	7500 Series PA Tuning 2		
	Hydrochloric acid	7647-01-0	≥10 - ≤25
	nitric acid	7697-37-2	≤2.8

Section 15. Regulatory information

Supplier notification	7500 Series PA Tuning 1 nitric acid	7697-37-2	<6.5
	7500 Series PA Tuning 2 Hydrochloric acid nitric acid	7647-01-0 7697-37-2	≥10 - ≤25 ≤2.8

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : The following components are listed: NITRIC ACID; HYDROGEN CHLORIDE; HYDROCHLORIC ACID
- New York** : The following components are listed: Nitric acid; Hydrochloric acid
- New Jersey** : The following components are listed: NITRIC ACID; HYDROGEN CHLORIDE; HYDROCHLORIC ACID
- Pennsylvania** : The following components are listed: NITRIC ACID; HYDROCHLORIC ACID
- California Prop. 65**

⚠ WARNING: This product can expose you to chemicals including cadmium and Lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Arsenic, Beryllium, Nickel, Radionuclides, Radionuclides and Cobalt metal powder, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
7500 Series PA Tuning 1		
Arsenic	Yes.	-
cadmium	Yes.	Yes.
Beryllium	Yes.	-
Nickel	-	-
Lead	Yes.	Yes.
Radionuclides	-	-
Radionuclides	-	-
Cobalt metal powder	-	-

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

- Australia** : Not determined.
- Canada** : At least one component is not listed in DSL but all such components are listed in NDSL.
- China** : Not determined.
- Europe** : All components are listed or exempted.

Section 15. Regulatory information

Japan	: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: All components are active or exempted.
Viet Nam	: Not determined.

Section 16. Other information

History

Date of issue	: 06/28/2021
Date of previous issue	: 10/27/2020
Version	: 6
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available UN = United Nations

Procedure used to derive the classification

Classification	Justification
7500 Series PA Tuning 1 CORROSIVE TO METALS - Category 1 ACUTE TOXICITY (inhalation) - Category 3 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 2	Expert judgment Calculation method On basis of test data On basis of test data Calculation method Calculation method Calculation method
7500 Series PA Tuning 2 CORROSIVE TO METALS - Category 1 ACUTE TOXICITY (inhalation) - Category 3 SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2	Expert judgment Calculation method On basis of test data On basis of test data Calculation method Calculation method

☑ Indicates information that has changed from previously issued version.

Notice to reader

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