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Chemical cleaning of steel products

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Descriptors : rust protection, chemical cleaning, steels, surface properties, testing

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Z 0305 :1998

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

Date of Establishment: 1980-11-15

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Chemical cleaning of steel products

1 Scope This Japanese Industrial Standard specifies the chemical cleaning out of pretreatment for rust prevention of steel products and the confirming method of the cleaning degree.

Remarks: The following standards are normative references to this Standard.

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| JIS K 1201 | <i>Soda ash</i> |
| JIS K 1202 | <i>Solid caustic soda</i> |
| JIS K 1310 | <i>Hydrochloric acid</i> |
| JIS K 1321 | <i>Sulfuric acid</i> |
| JIS K 1408 | <i>Sodium silicate</i> |
| JIS K 1437 | <i>Sodium phosphate (sodium orthophosphate)</i> |
| JIS K 1449 | <i>Phosphoric acid</i> |
| JIS K 1501 | <i>Methanol</i> |
| JIS K 1508 | <i>Trichloroethylene</i> |
| JIS K 1521 | <i>Perchloroethylene</i> |
| JIS K 1522 | <i>Isopropyl alcohol (isopropanol)</i> |
| JIS K 1524 | <i>Methyl ethyl ketone</i> |
| JIS K 2201 | <i>Gasoline for industrial purpose</i> |
| JIS K 2203 | <i>Kerosine</i> |
| JIS K 2204 | <i>Diesel fuel</i> |
| JIS K 8116 | <i>Ammonium chloride</i> |
| JIS K 8863 | <i>Boric acid</i> |
| JIS K 8951 | <i>Sulfuric acid</i> |
| JIS K 8983 | <i>Copper (II) sulfate pentahydrate</i> |
| JIS K 8989 | <i>Nickel (II) sulfate hexahydrate</i> |
| JIS Z 0103 | <i>Glossary of terms used in rust and corrosion preventive technology</i> |
| JIS Z 0303 | <i>General rule for corrosion preventive packaging method</i> |

2 Definitions For the purposes of this Standard in addition to the definitions stated in **JIS Z 0103**, the following principal definitions apply:

- (1) **cleaning** To make such a condition that stains on the metal surface are removed to the degree required as the rust preventive pretreatment.
- (2) **stain** Fats and oils, mineral oil, dust, substances generated by corrosion, etc. adhered on the metal surface.