|  |
| --- |
| **SAFETY ALERT** |
| **SYSTEM/ EQUIPMENT** | Leak on two ERMEWA Zacns tank car serie N-310-02 |
| **SAFETY ISSUE DESCRIPTION** | Within 9 months, there has been a leak of hydrochloric acid from the tank in Switzerland with identical Ermewa Zacns tank cars at Basel SBB RB (19.10.2020) and at Lüsslingen (06.07.2021). The preliminary results of the investigations lead to the conclusion that the protective lining of the Zacns tank car of the N-310-02 series does not always provide the necessary protection against contact of the dangerous goods with the steel tank and that consequently the steel stank can be breached by corrosive processes.Due to the failure of the inner protective lining and consequently the formation of a hole in the tank car due to corrosive processes within a short period of time, faults in the manufacture of the boilers cannot be excluded. If these defects existed, they were not detected during the initial tests. Both tank cars have been in operation since 16 months (Basel) and 30 months (Lüsslingen). A dangerous goods leak from a tank car represents a significant risk to staff, passengers, the public and the environment.In accordance with Article 26 (2) of Directive (EU) 2016/798 of the European Parliament and of the Council of 11 May 2016 on railway safety, the NIB-CH recommends that the NSA-CH forward the following safety recommendation to the supervisory authority of the Member State where the wagons are registered (NSA-NL) and to the supervisory authority of a Member State where the responsible ECM is based (NSA-FR). NIB-CH recommends that all Zacns tank cars of the N-310-02 series with the HAW-H94 protective lining be taken out of service and that the protective lining be inspected by an independent body. At the same time and taking into account the results of the inspection, NIB-CH recommends clarifying whether other tank cars with comparable protective linings could be affected and taking appropriate measures. |
| **CIRCUMSTANSES***(e.g. special weather conditions)* | Click here to enter text. |
| **REASON FOR ISSUE** | Urgent safety recommandation |
| **LIST OF SUPPORTING DOCUMENTS** *(e.g. PHOTOS, LINKS)* | Intermediate report in German |
| **LINKED WITH OCCURRENCE NOTIFIED TO ERA DATABASE?** | Choose an item. | **LINK TO ERA NOTIFICATION**Click here to enter text. |
| **OCCURRENCE DATE**Click here to enter a date. |

|  |
| --- |
| **ISSUER** |
| **ORGANISATION** | NIB-CH |
| **CONTACT DATA** | Description: http://www.toernplaner.net/img/piktos/30/telefon.png | + 41 79 759 42 02 |  | philippe.thuerler@sust.admin.ch |
| **ISSUE DATE** | 31/08/2021 |