

**上海市应急管理局 上海市交通委员会**

**关于推进基于“一企一品一码”的危险化学品**

**出入库及危险货物装卸信息化管理工作的通知**

**Notice on Advancing the Information Management on the  
Warehousing of Hazardous Chemicals and Loading/Unloading of  
Dangerous Goods Based on “One Enterprise, One Product with One  
QR Code” by the Shanghai Emergency Management Bureau and  
Shanghai Municipal Transportation Commission**

各有关单位：

为深入贯彻落实上海城市数字化转型战略，切实加强本市危险化学品安全领域跨部门综合监管，提升政府科技监管效能，有效降低安全风险，根据《全国危险化学品安全风险集中治理方案》（安委〔2021〕12号文）、《上海市危险化学品安全管理办法》、《上海市全面加强危险化学品安全生产工作的实施意见》等有关规定，市应急局、市交通委决定在全市推进以“一企一品一码”为基础的危险化学品出入库及危险货物装卸信息化管理工作，加强各环节的信息及业务衔接。现就有关要求通知如下。

To all relevant units:

In accordance with laws and regulations including the *National Action Plan for the Centralized Management of Chemical Safety Risks* (Safety Committee [2021] No. 12),

*Measures of Shanghai Municipality for the Safety Administration of Dangerous Chemicals, Opinions on the Comprehensive Strengthening of Safe Production Work of Hazardous Chemicals in Shanghai*, the Shanghai Emergency Management Bureau and Shanghai Municipal Transportation Commission published this Notice to promote the information management on the warehousing of hazardous chemicals and loading/unloading of dangerous goods based on “One Enterprise, One Product with One QR Code” for the purposes of implementing the Shanghai’s strategy for digital transformation, strengthening the inter-departmental supervision in the field of hazardous chemicals safety in Shanghai, and reducing safety risks.

## 一、工作任务

根据应急管理部“一企一品一码”有关要求，指导本市危险化学品企业对《危险化学品目录（2015版）》（以下简称《目录》）内列明的危险化学品产品实行本市危险化学品追溯码的统一赋码和扫码，逐步探索建立危险化学品追溯体系。推动全市有实物的危险化学品许可企业实现危险化学品出入库动态管理，向应急管理部门上报规范的危险化学品库存及出入库信息。进一步压实本市危险化学品企业履行危险货物充装或者装载查验、记录的义务，切实加强本市危险货物道路运输储运环节管理。

### 1. Work tasks

In respond to the requirements of the “One Enterprise, One Product with One QR Code” by China’s Ministry of Emergency and Management, enterprises involving hazardous chemicals are required to assign and scan QR codes to chemicals listed in the Catalog of Hazardous Chemicals (2015 Edition) (hereinafter referred to as “the Catalog”). Enterprises with physical hazardous chemical permits are encouraged to implement the dynamic management of hazardous chemicals and are required to

report the storage and inventory of hazardous chemicals to relevant emergency management departments. Moreover, enterprises involving hazardous chemicals in Shanghai are supposed to conduct inspections and record-keeping for the filling or loading of dangerous goods, and to strengthen the management of dangerous goods during the road transportation and storage.

**(一) 实施危险化学品追溯码源头赋码**

依托应急管理部危险化学品登记综合服务系统，自 2024 年起在本市推行危险化学品追溯码统一赋码，实现危险化学品每个货品每个批次独立赋码，具体要求包括：

1. 《危险化学品目录（2015 版）实施指南（试行）》附件《危险化学品分类信息表》中列出品名的危险化学品应赋追溯码，符合危险化学品确定原则但未列明品名的危险化学品不强制赋码。

2. 在本市范围内生产、充装、分装、更换化学品标签的危险化学品应赋追溯码，包装规格小于 100 克/毫升的无需赋码。使用管道运输和油船、散装化学品船和液化气船运输的危险化学品不在赋码范围内。

3. 从上海口岸通关、在本市范围内流通的进口危险化学品，在进入本市危险化学品经营（带有储存设施、仓储）许可企业仓库后应赋追溯码（作为该经营企业原料自用的除外）。自上海口岸通关后直接运输至外省市，或直接运输至本市企业作为生产原料自用的危险化学品无需赋码。

4. 源头赋码企业应根据《上海市危险化学品出入库信息管理及追溯码建设指导书》的数据规则生成危险化学品追溯码，将生成后的危险化学品追溯码有关信息实时上传至上海市危险化学品全过程监管信息系统内。

5. 企业需在危险化学品每段流通环节的最小外包装上规范印刷、粘贴危险化学品追溯码。使用槽罐车运输的危险化学品可使用虚拟追溯码，也可将危险化学品追溯码印刷在

提货单/订单上。

6. 鼓励进口企业实施进口危险化学品境外赋码，对于实现境外赋码的企业，优先推荐为上海海关危险化学品通关检验“白名单”企业，享受通关检验减免优惠政策。

### **1) Assign Codes for Hazardous Chemicals at the Source**

With support of the comprehensive service system for hazardous chemical registration by the Ministry of Emergency Management (MEM), all goods containing hazardous chemicals in all batches will be given a unique code since 2024. In the following are the details:

- a) Hazardous chemicals listed in the “Table of the Classification of Hazardous Chemicals” of the annex to the “Guideline for the Implementation of the Catalog of Hazardous Chemicals (2015 Edition) (Trial)” should be assigned QR code. Hazardous chemicals that meet the determinative criteria but do not have specified names are not required to have QR code.
- b) Hazardous chemicals produced, filled, repackaged, or relabeled within Shanghai should be assigned QR code, except for those whose packaging specifications less than 100 grams/milliliters. Hazardous chemicals transported via pipelines, oil tankers, chemical tankers for chemicals in bulk, and liquefied gas ships are not required to have QR code.
- c) Imported hazardous chemicals that clear customs at Shanghai ports and circulate within Shanghai must be assigned QR codes once they enter the warehouses of licensed hazardous chemical businesses in the city (with storage facilities and warehousing), except for those used as raw materials by the business itself. Hazardous chemicals that are directly transported to other provinces or cities in China after customs clearance at Shanghai ports, or

directly to local enterprises in Shanghai for their own production as raw materials, are not required to have QR code.

- d) Enterprises assigning QR codes at source shall generate QR codes to hazardous chemicals based on the Guidance on the Establishment of Traceability Codes and the Information of Warehousing of Hazardous Chemicals, and upload the updates of QR codes to the official surveillance system.
- e) Enterprises are required to standardize the printing or labelling of QR codes on the smallest external packaging of hazardous chemicals in every circulation stage. Hazardous chemicals transported in tank trucks are allowed to use virtual QR codes or print the QR code on the delivery order/booking order.
- f) Enterprises importing hazardous chemicals are encouraged to give QR codes for imported hazardous chemicals. Enterprises that give QR codes for imported hazardous chemicals will be preferentially recommended to be added to the “white list” in which enterprises can enjoy a reduction or exemption of customs inspections.

## (二) 全面推进许可企业危险化学品出入库信息动态管理

取得危险化学品生产、使用许可或经营（带有储存设施、仓储）许可的企业应当根据《上海市危险化学品出入库信息管理及追溯码建设指导书》，建设或完善符合要求的危险化学品出入库信息动态管理系统，准确录入危险化学品基础信息及出入库、库存数据，并与上海市危险化学品全过程监管信息系统对接：

1. 《目录》所列的危险化学品以及根据《危险化学品目录（2015版）实施指南（试

行)》需要许可的危险化学品应当纳入出入库信息动态管理。

2. 已赋追溯码的危险化学品出入库时，企业应严格执行“先扫码、再出入库”程序。未赋码的危险化学品出入库时，企业应在出入库信息管理系统内记录对应危险化学品的品种、数量、规格、批次号、电子运单、运输车辆等信息。

3. 企业应严格遵守未经登记或扫码的、不在行政许可范围的、化学性质有禁忌的、超仓间储存量的、货物无中文信息标签的、应急处置方式有冲突的“六不入库”要求。

## **2) Advance the Dynamic Management on the Warehousing of Hazardous Chemicals from Licensed Enterprises**

In accordance with the Guidance on the Establishment of Traceability Codes and the Information of Warehousing of Hazardous Chemicals, enterprises that have obtained production, use, or operation (with storage facilities and warehousing) licenses for hazardous chemicals are required to establish or improve the dynamic management on the warehousing of hazardous chemicals, input the basic information of hazardous chemicals, accurately upload the inventory and storage of hazardous chemicals, and align these information with the official surveillance system:

- a) Hazardous chemicals listed in the “Catalog” and those that require a license should be included to the dynamic management according to the Guidance for the Implementation of the Catalog of Hazardous Chemicals (2015 Edition) (Trial);
- b) When recording the inventory of hazardous chemicals with QR code, enterprises must strictly follow “Warehouse after Scanning QR codes” rule. For hazardous chemicals without QR codes, enterprises should record the corresponding information such as types of hazardous chemicals, quantity, specifications, batch number, electronic waybill, transport vehicles, and other information in the warehousing management system;

- c) Enterprises must strictly adhere to the “Warehouse objection under six situations”: no registration or no scanning; beyond the scope of administrative licensing; prohibited chemical properties; the inventory exceeds the storage capacity; goods without labels in Chinese; inappropriate emergency response.

(三) 进一步落实危险货物充装查验管理

危险化学品企业在实施危险化学品出入库时，如危险化学品在运输过程中属于危险货物的（满足运输豁免规则的除外），应按规定通过危险货物道路运输全过程管理系统（网址：<https://www.coolzsr.com/>）对承运的车辆、人员、罐体、运单等信息进行查验（五必查），通过查验的运输车辆方可被允许进入充装作业区域为其充装或者装载；系统内没有查验信息的、或未通过查验的承运车辆不得进入充装作业区域，不得为其充装或者装载，并将未通过的查验事项在系统内标注。

鼓励危险化学品企业自建危险货物收发货查验管理模块，实现基础信息核验、本市与外省市危货电子运单核验等功能，按照《危险货物道路运输全过程管理系统交互接入指南》，将查验的结果实时与危险货物道路运输全过程管理系统互联对接，实现对该系统功能的融合替代。

### 3) Further Implement the Inspection and Filling of Dangerous Goods

When enterprises involving hazardous chemicals record the warehousing of hazardous chemicals, if the hazardous chemicals are classified as dangerous goods during transportation (except those meeting the exemption rules for transportation), they must, as required, inspect the information of vehicles, personnel, tanks, and waybills (“Five Must Check”) through the management system of road transportation on dangerous goods (website: <https://www.coolzsr.com/>). Vehicles that pass the inspection are allowed to enter the filling operation area for filling or loading.

Vehicles that do not have inspection information in the system or fail the inspection are not allowed to enter the filling operation area, nor shall they be filled or loaded, and items that failed the inspection should also be recorded in the system.

Enterprises involving hazardous chemicals are encouraged to build their own inspection management modules for the receipt and dispatch of dangerous goods, to verify the basic information of dangerous goods and the electronic waybill of dangerous goods between cities and other provinces. In accordance with the “Guidance for the Interconnection of Whole-Process Management System of Road Transportation of Dangerous Goods”, the results of inspections should be interconnected in real-time with the whole-process management system to achieve integration and replacement of this system.

#### （四）利用危险化学品追溯码加强收货及使用环节管理

本市危险化学品使用单位（以下简称使用单位）在接收已赋有追溯码的危险化学品时，应通过市应急局官方微信公众号“上海应急守护”内“危化品追溯”小程序实施扫描货品上危险化学品追溯码进行收货。对于通过扫码形式完成收货的危险化学品，使用单位无需通过本市危险化学品使用单位登录报送系统进行此类危险化学品信息的重复报送。

危险化学品出入库及追溯码信息与危险货物道路运输电子运单系统设置融合绑定机制。本市危险货物运输车辆驾驶员或押运员对属于危险货物的危险化学品收货时，应主动出示电子运单上的二维码，供本市发货单位扫码绑定危险化学品追溯码及发货信息，收货环节中，驾驶员或押运员应配合本市收货单位实施扫码收货，完成电子运单内的收发货数据闭环。

针对不执行扫码收货的危险化学品使用单位，鼓励驾驶员或押运员收集有关信息向交通、应急管理部门进行及时反馈。鼓励各区交通主管部门或应急管理部门试点设置关于

驾驶员或押运员反馈信息报送的奖励激励措施。

#### **4) Strengthen the Management of Receiving Goods and Using of Hazardous Chemicals based on the QR Codes**

Units using hazardous chemicals (hereinafter referred to as user units) in Shanghai are required to scan the QR codes through the mini program presented in Wechat official account (named “上海应急守护”) when receiving hazardous chemicals with QR codes. For hazardous chemicals received via scanning QR codes, user units are not required to resubmit the information of hazardous chemicals through the system.

A mechanism for the integration and binding of warehousing and traceability codes of hazardous chemicals with the electronic waybill system for dangerous goods road transportation is established. When receiving hazardous chemicals classified as dangerous goods, drivers or escorts of dangerous goods in Shanghai should actively present the QR code on the electronic waybill for the shipping units to scan and locate the traceability and shipping information of hazardous chemicals. When receiving goods, drivers or escorts should cooperate with units receiving goods by scanning QR codes, guarantee the data accuracy for shipping and receiving goods in the electronic waybill.

For user units of hazardous chemicals that do not perform scanning QR codes, it is recommended for drivers or escorts to collect relevant information and provide timely feedback to the transportation and emergency management departments. Transportation authorities or emergency management departments at district levels are encouraged to establish reward and incentive measures for the submission of feedbacks on drivers or escorts.

## 二、工作要求

(一) 提高重视程度。临港新片区管委会、上海化工区管委会、各区应急管理局及各区交通主管部门要高度重视基于“一企一品一码”的危险化学品出入库及危险货物装卸信息化管理工作推进，将文件精神传达至基层一线、企业一线，指导辖区内有关企业抓紧落实各项工作任务，并将该项工作作为深化本市危险化学品安全综合监管“一件事”的有力抓手。

### 2. Work Requirements

#### 1) Great attention shall be paid

The Lingang New Area Management Committee, the Shanghai Chemical Industry Park Management Committee, the Emergency Management Bureaus at district levels, and the traffic management departments at district levels should attach great importance to the advancement of the management on the information of the warehousing and inventory of hazardous chemicals based on the principle of “One enterprise, One Product with One QR Code.” They should assign these requirements to competent authorities and enterprises at the frontliners, urge the implementation of “One enterprise, one product with one QR code”, and regard this work as a powerful grip for deepening the comprehensive supervision of hazardous chemical safety in Shanghai.

(二) 严守时间节点。危险化学品企业原则上应于 2024 年 12 月 31 日前完成危险化学品追溯码赋码及出入库信息管理系统的建设任务；危险货物（危险化学品）企业应按照《上海市交通委员会、上海市应急局、上海市公安局 关于进一步加强本市危险货物（危险化学品）道路运输储运环节管理的通告》（沪交发〔2022〕8 号）相关要求落实危险货物（危险化学品）充装查验要求。临港新片区管委会、上海化工区管委会、各区应急管理局及交通主管部门应根据各自职责做好相关监督指导工作。

#### (2) Strictly obey the deadline

In principle, enterprises involving hazardous chemicals should complete the assignment of traceability codes for hazardous chemicals and the construction of warehousing information management systems by December 31, 2024. Enterprises concerning dangerous goods (hazardous chemicals) should implement the filling inspection requirements for dangerous goods (hazardous chemicals) in accordance with relevant documents. The Lingang New Area Management Committee, the Shanghai Chemical Industry Park Management Committee, the Emergency Management Bureaus, and the traffic management departments at each district should carry out relevant supervision and guidance work according to their respective duties.

(三) 提高服务意识。市应急局、市交通委将于今年一季度开展针对各区及相关企业的宣贯培训，并委托第三方提供长期咨询服务，同时将为小微型危险化学品企业提供免费的危险化学品追溯码申请生成平台。临港新片区管委会、上海化工区管委会、各区应急管理局及交通主管部门要做好政策执行的沟通桥梁，同步建立专项工作沟通协调机制并有效运行，配合市级部门为企业提供服务指导。

### **3) Raise service awareness**

The Shanghai Municipal Emergency Bureau and the Municipal Transportation Commission will conduct training for each district and related enterprises in the first quarter of 2024 and entrust a third party to provide long-term consulting services. At the same time, they will establish a platform to provide free QR codes for the application of hazardous chemicals from small and micro enterprises involving hazardous chemicals. The Lingang New Area Management Committee, the Shanghai Chemical Industry Park Management Committee, the Emergency Management Bureaus, and the traffic management departments of each district should establish and operate a special work communication and coordination mechanism, and cooperate with other municipal departments to provide service guidance for relevant enterprises.

(四) 形成工作合力。各区应急管理局要充分利用区安委会办公室议事协调功能，组织各成员单位配合此项工作的开展。协调各成员单位推动辖区内医院、学校、科研院所等事业单位利用危险化学品追溯码实施收货管理，优化危险化学品使用单位登录报送流程，压实行业主管部门的危险化学品使用监管责任。各区交通运输主管部门、应急管理部门和其他负有安全监督管理职责的部门要加强针对性执法检查，对未建立健全并严格执行充装或者装载查验、记录制度的企业，按照《危险货物道路运输安全管理办法》相关规定予以处罚。

#### **4) Promote the collaborative work**

The Emergency Management Bureaus of each district in Shanghai should fully utilize the deliberation and coordination functions of the District Safety Committee Office to organize units to support the implementation of this work. They should coordinate with other member units to promote the use of QR codes in receiving hazardous chemicals by institutions such as hospitals, schools, and institutes within their jurisdiction, optimize the login and reporting process for units using hazardous chemicals, and consolidate the use and supervision of hazardous chemicals. Competent departments with safety supervision responsibilities in each district should strengthen the law enforcement and penalize enterprises that have not established and strictly implemented filling or loading inspection and record systems in accordance with relevant provisions.

(五) 优化监管模式。鼓励临港新片区管委会、上海化工区管委会、各区应急管理局及交通主管部门在此项工作推进中，进一步探索跨部门协同监管的新机制、新做法，拓展非现场检查等执法新模式，根据辖区企业特点，研究新的监管应用场景，不断提升科技监管效能，筑牢安全防线与底线。

#### **5) Optimize the supervision**

## TRANSLATION

The Lingang New Area Management Committee, the Shanghai Chemical Industry Park Management Committee, the Emergency Management Bureaus at district levels, and the traffic management departments at district levels are encouraged to explore new mechanisms and practices for cross-departmental collaborative supervision, expand new models of law enforcement such as off-site inspections, and develop new supervision methods to improve its efficiency based on the facts of different districts.

**Shanghai Emergency Management Bureau, Shanghai Municipal Transportation**

**Commission**

**February 4, 2024**