

安全时刻



NO. 011
2024年4月1日

实验室化学品储存良好做法 (II)

3. 将腐蚀化学品（如酸）储存在通风的HDPE/PP酸柜或等同耐腐蚀的试剂柜内，以减少腐蚀。易燃易爆化学品应储存在符合FM或EN标准的防火柜中，需冷藏的化学品按化学品安全技术说明书（SDS）规定选用相应等级易燃物存储冰箱或EX认证的易燃品储存冰箱/柜。

4. 对于易生成过氧化物或随时间逐渐降解的化学品，收货时和打开时都要标注日期（请参照易生成过氧化物标签，具体咨询请联系HSE）。



酸储存在通风的HDPE/PP酸柜

警告
可能生成易爆过氧化物!

存放于密闭的原装容器中
避免暴露于光线下和空气中，并远离热源
在进行蒸馏或浓缩操作之前，应检查是否有过氧化物形成
如出现结晶、变色或分层现象，
应立即联系健康、安全及环境处Tel: 8833 9099

开封日期: _____ 接收日期: _____

过氧化物检验结果
每____月废弃或检验
如>100ppm, 请避免使用并联系HSE

日期: _____	<input type="checkbox"/> <100ppm
	<input type="checkbox"/> >100ppm
日期: _____	<input type="checkbox"/> <100ppm
	<input type="checkbox"/> >100ppm
日期: _____	<input type="checkbox"/> <100ppm
	<input type="checkbox"/> >100ppm

< 25 ppm, 可以安全用于一般用途;
25-100 ppm, 不建议用于蒸馏或浓缩;
>100 ppm, 避免操作并联系HSE寻求安全处置协助

易生成过氧化物标签



易燃液体储存在符合FM或EN标准防火柜



EX认证的易燃品
储存冰箱/柜

5. 不要在通风柜内存放化学品，不要将气体或易挥发有害化学物质储存在无通风的冻房或暖房中。



不要在通风柜内存放化学品

Safety Moment



NO. 011
APR 1, 2024

Good Practices for Chemical Storage in Labs (II)

3. Store corrosive chemicals (such as acids) in ventilated HDPE/PP acid cabinets or equivalent corrosion-resistant cabinets to reduce corrosion. Flammable and explosive chemicals should be stored in fire-resistant safety cabinets that comply with FM or EN standards. Use properly rated and labeled refrigerators and freezers when storing flammable materials.
4. All peroxide-forming compounds should be labeled as shown to the right, with the date received and the date opened. (For specific inquiries, please contact HSE at (020) 8833 9099 for labels).



Acids should be stored in ventilated HDPE/PP cabinets

WARNING
MAY FORM EXPLOSIVE PEROXIDES

Store in tightly closed original container.
Avoid exposure to light, air, and heat.
If crystals, discoloration, or layering are visible,
contact HSE 8833 9099 immediately.

Date Received: _____ Date Opened: _____

Peroxide Test Results
Discard or test every ___ months,
If > 100 ppm, avoid use & contact HSE.

Date: _____	<input type="checkbox"/> < 10 ppm
	<input type="checkbox"/> > 10 ppm
Date: _____	<input type="checkbox"/> < 100 ppm
	<input type="checkbox"/> > 100 ppm
Date: _____	<input type="checkbox"/> < 1000 ppm
	<input type="checkbox"/> > 1000 ppm

< 25 ppm. Considered safe for general use.
25-100 ppm. Not recommended for distilling or otherwise concentrating.
> 100 ppm. Avoid handling and contact HSEs for assistance with safe disposal.

Label for Peroxide Forming Chemicals



Fire-resistant safety cabinets that comply with FM or EN standards



Flammables should be stored in refrigerators with EX certification



5. Do not store chemicals in the fume hood: they may interfere with air flow in the hood, and do not store gases or flammables in cold or warm rooms which are neither ventilated nor explosion proof.



Do not store chemicals in the fume hood