



DEPARTMENT OF THE NAVY

U.S. NAVAL STATION  
PSC 1005, BOX 25  
FPO AE 09593-1000

NAVSTAGTMOINST 4400.2D  
N33  
8 Jun 15

U.S. NAVAL STATION, GUANTANAMO BAY, CUBA INSTRUCTION 4400.2D

From: Commanding Officer, U.S. Naval Station, Guantanamo Bay,  
Cuba

Subj: CONSOLIDATED HAZARDOUS MATERIAL REUTILIZATION AND  
INVENTORY MANAGEMENT PROGRAM

Ref: (a) CNRSEINST 5090.1  
(b) COMFISCINST 5090.1C  
(c) OPNAVINST 5090.1C  
(d) Executive Order 13423  
(e) OSHA Regulations 29 CFR 1910.1200  
(f) CNO Washington DC 011810Z May 95  
(g) CNO Washington DC 131755Z Jan 03  
(h) NAVSUPINST 4200.99  
(i) NAVSUP Publication 722  
(j) NAVSTAGTMOINST 5090.1E

Encl: (1) NAVSTA Guantanamo Hazardous Material Exemption List  
(2) Hazardous Material Authorized User List Request Form  
(3) Incompatible Materials Chart  
(4) Hazardous Material Coordinator Point of Contact  
(5) Request for Bar-codes  
(6) Pictograms and Hazardous material Label

1. Purpose. To establish procedures and requirements for life cycle control and tracking of Hazardous Material (HAZMAT) onboard U.S. Naval Station (NAVSTA), Guantanamo Bay, Cuba per references (a) through (j). This instruction is for local procedures only. Reference (a) provides for procedures concerning the Consolidated Hazardous Material Reutilization and Inventory Management Program (CHRIMP) program.

2. Cancellation. NAVSTAGTMOINST 4400.2C. This instruction is a complete revision and should be read in its entirety.

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### 3. Global Harmonized Systems Definitions

#### a. Health

(1) Acute toxicity "refers to those adverse effects occurring following oral or dermal administration of a single dose of a substance, or multiple doses given within 24 hours, or an inhalation exposure of four hours"

(2) Skin corrosion is defined as "the production of irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, which was followed by the application of a test substance for up to four hours".

(3) Skin irritation is defined as "the production of reversible damage to the skin following the application of a test substance for up to four hours".

(4) Carcinogen "means a substance or a mixture of substances which induce cancer or increase its incidence."

(5) Reproductive toxicity "includes adverse effects on sexual function and fertility in adult males and females, as well as adverse effects on development of the offspring".

#### (6) Specific Target Organ Toxicity (STOT)

(a) Single exposure means "specific, non-lethal target organ toxicity arising from a single exposure to a chemical".

(b) Repeated exposure requires more than one instance of exposure.

(7) Aspiration means "the entry of a liquid or solid chemical directly through the oral or nasal cavity, or indirectly from vomiting, into the trachea and lower respiratory system".

#### (8) Germ Cell Mutagenicity

(a) A mutation "is defined as a permanent change in the amount or structure of the genetic material in a cell".

(b) The term mutagenic and mutagen "will be used for agents giving rise to an increased occurrence of mutations in populations of cells and/or organisms".

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(9) Skin sensitizer- "a chemical that induces an allergic response following skin contact".

(10) Respiratory sensitizer- "a chemical that will lead to hypersensitivity of the airways following inhalation of the chemical".

(11) Eye hazards

(a) Eye irritation is defined as "the production of changes in the eye following the application of test substance to the anterior surface of the eye, which are full reversible within 21 days of application".

(b) Serious eye damage is defined as the production of tissue damage in the eye, or serious physical decay of vision, following application of a test substance to the anterior surface of the eye, which is not fully reversible within 21 days of application".

b. Physical Hazards

(1) Explosive Substances and Mixtures

(a) Solid or liquid substances capable of producing gas at such a high temperature and pressure that it can cause damage to surroundings.

(b) Divided in six categories based on type of damage produced.

(2) Flammables

(a) Flammable Gases - Have a flammable range in air at 20 degrees C (68 F) and a pressure of 101.3 kilopascals (14.7 psi).

(b) Flammable Aerosols - Any liquid with a flash point of 93 degrees C (199.4 F) or less. Divided in four categories based on flash point and boiling point temperature.

(c) Flammable Liquids - Any liquid with a flash point of 93 degrees C (199.4 F) or less. Divided in four categories based on flash point and boiling point temperature.

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(d) Flammable solids - A solid, usually in a powder or granular form, that is easily combustible through friction like some metal powders. Divided in two categories based on burning time, burning rate and behavior when wet.

(3) Oxidizers

(a) Oxidizing gas - "any gas which may, generally by providing oxygen, cause or contribute to the combustion of other material more than air does".

(b) Oxidizing Liquids and Solids - Though not necessarily combustible on their own, generally by yielding oxygen cause or contribute combustion of other material.

(4) Gases under pressure

(a) Gases contained in a receptacle at a pressure of 200 kPa (29 psi) or more, which are liquefied or liquefied and refrigerated.

(b) Includes four groups: compressed gases, liquefied gases, dissolved gases and refrigerated liquefied gases.

(5) Self-reactive chemicals- Thermally unstable liquid or solid chemicals liable to undergo a strongly exothermic decomposition even without participation of oxygen (air).

(6) Self-Heating Chemicals- Solids or liquids, other than pyrophoric, which by reaction with air and without energy supply is liable to self-heat.

(7) Corrosive to Metals - a chemical which by chemical action will materially damage, or even destroy, metals.

(8) Organic Peroxides - Organic liquids or solids that can decompose explosively, burn rapidly, be sensitive to friction and react dangerously with other chemicals.

c. Environmental - hazards are not covered by the Occupational Safety and Health Administration. The competent authority for those would be Environmental Protection Agency.

(1) Acute - injury after short term exposure.

(2) Chronic - injury during the organism life cycle.

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(3) Includes fish, crustaceans, and algae or other aquatic Plants.

d. Signal words

(1) Danger - most harmful to person, because of toxicity or exposure, more severe or persistent effects.

(2) Warning - less harmful to person, lower levels of exposure or toxicity or temporary harmful effects.

4. Application

a. Enclosure (1) provides a listing of material that does not require specific tracking. For industrial activities, this material will be issued within the tenets of this instruction but for which subsequent container tracking is not necessary. Items that are purchased for use in industrial areas shall be added to the work center's authorized use list (AUL), stored appropriately based on the material's hazard properties outlined in the material's most current Material Safety Data Sheet (MSDS) and Safety Data Sheet (SDS), but not bar-coded for tracked. All material shall have Safety Data Sheets on file to replace Material Safety Data Sheets as they become available or by January 2016 at the latest.

b. Enclosure (2) Hazardous material AUL request form shall accompany MSDS/SDS newer than five years and routed through NAVSTA Guantanamo Bay's Safety Office, Naval Facilities Engineering Command (NAVFAC) Environmental/Hazardous Waste (HAZWASTE), United States Naval Hospital (USNH) Industrial Hygienist Office, Fire Department, and Naval Supply Systems Command (NAVSUP) Fleet Logistics Center Jacksonville (NFLCJ) Guantanamo Bay Supply Department.

c. Enclosure (3) Navy Occupational Safety & Health Environmental Training Center (NAVOSHENVTRACEN) incompatible material chart shall be used to ensure Hazardous Material is segregated and stored properly.

d. Enclosure (4) is the proper form to submit for each designated HAZMAT coordinator as personnel rotate within the work center.

e. Enclosure (5) is the request for bar-codes after the AUL approval process has been completed.

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f. NAVSTA Guantanamo Bay and tenant commands and contractors shall comply with all laws defined within Department of the Navy (DoN) regulations, standards, and directives related to HAZMAT.

5. Action

a. NAVSTA Guantanamo Bay Commanding Officer:

(1) Require command compliance by all organizations operating within the confines of NAVSTA Guantanamo Bay including non-DOD, transient organizations and contractors.

(2) Budget and allocate resources to effectively implement and administer CHRIMP.

(3) Support NAVSUP FLCJ Guantanamo Bay CHRIMP management process to ensure that all HAZMAT received onboard NAVSTA Guantanamo Bay are reviewed, approved, and appropriate controls are in place prior to procurement or issue. Enclosure (2) is the primary tool used for this purpose and must be approved by NAVSTA Guantanamo Bay Safety Office Representative, NAVFAC Environmental Representative and the resident Industrial Hygienist represented by the U.S. Naval Hospital.

b. Commanding Officer/Officers-in-Charge (OIC) of tenant and supported commands will:

(1) Designate in writing a primary and alternate Point of Contact (POC) for all HAZMAT concerns.

(2) Budget and allocate resources to effectively implement and support their HAZMAT requirements.

(3) Require command compliance, where specified in this instruction, to include contractors and subcontractors under their cognizance upon contract development or renewal.

c. NAVSTA Guantanamo Bay Safety Manager/Office will:

(1) Serve as a core member of the HAZMAT Control and Management (HMC&M) and HAZMAT Users Guide (HMUG) Committee meetings.

(2) Review and approve. Disapprove HAZMAT AUL form add/delete requests, enclosure (2).

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(3) Monitor and report safety related regulatory compliance.

(4) Conduct scheduled and unscheduled inspections to ensure all HAZMAT held is on the AUL, properly labeled, stored in approved lockers and are present in on hand quantities not exceeding a thirty day supply requirement. Entities identified with excess quantity will be advised to turn in excess to the Hazardous Waste Minimization (HAZMIN) Center for reuse/reissuance or redistribution efforts.

(5) When necessary, assist the HAZMIN Center in obtaining current MSDS/SDS.

(6) Monitor NAVSTA Guantanamo Bay processes requiring the use of HAZMAT to ensure safe operating procedures, work practices and conditions are in place.

(7) Provide training programs and maintain records.

d. NAVFAC Environmental/HAZWASTE will:

(1) Serve as a core member of the HMC&M and HMUG committee.

(2) Review and approve/disapprove HAZMAT AUL form add/delete requests, enclosure (2).

(3) Provide training programs and maintain records for HAZMAT management.

(4) Monitor environmental regulatory compliance issues.

(5) Will ensure that all HAZMAT turned in at the HAZWASTE shop is reviewed and rejected by the Supply HAZMIN Center using the waste transfer document prior to accepting material.

e. Naval Hospital Industrial Hygienist will:

(1) Serve as a core member of the HMC&M and HMUG Committees.

(2) Review and approve/disapprove HAZMAT AUL form add/delete requests, enclosure (2).

f. Fire Department will:

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(1) Serve as a core member of the HMC&M and HMUG Committees.

(2) Conduct scheduled and unscheduled inspections to ensure all HAZMAT is properly stored in approved lockers and is stored per enclosure (3).

g. NAVFAC Public Works Department will:

(1) Serve as a core member of the HMC&M and HMUG Committees.

(2) Ensure contractors comply with HAZMAT and Hazardous Waste management requirements.

(3) Serve as final approving authority for contract submittals on AUL request forms verifying HAZMAT is approved for procurement. Upon approval, submit contract AUL request form with MSDS/SDS to NAVSUP FLCJ Guantanamo Bay Supply Department for processing into the Navy Enterprise Resource Planning (ERP) Tracking System.

h. NAVSUP FLCJ Guantanamo Bay HAZMIN Center/CHRIMP Manager will:

(1) Serve as a core member of the HMC&M and HMUG Committees.

(2) Manage the CHRIMP program using Navy ERP.

(3) Follow direction from the Commander, Navy Region.

(4) Coordinate, schedule and chair the HMUG meeting.

6. Attendees: for this meeting should include but are not limited to:

a. FLCJ Guantanamo Bay CHRIMP Director (Chair).

b. NAVFAC Environmental Division.

c. NAVSTA Guantanamo Bay Safety.

d. USNH Industrial Hygienist.

e. Fire Department.

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f. HAZMIN Center representative.

7. HAZMAT coordinators: Primary or alternate HAZMAT coordinators for each respective unit/work center will ensure committee members attend meetings, submit agenda items and participate in all committee functions.

8. HMUG Committee will:

a. Meets periodically but no less than quarterly.

b. Review HAZMAT management consistent with logistic and inventory control.

c. Addresses re-supply and procurement practices and procedures.

d. Address issues and concerns of customers of the HAZMIN Center consistent with CHRIMP management practices.

e. Chair and schedule the HMC&M Committee meeting, distribute the meeting minutes, and maintain necessary records/files. Committee members include but are not limited to.

(1) FLCJ Guantanamo Bay CHRIMP Director.

(2) NAVFAC Environmental Division.

(3) NAVSTA Guantanamo Bay Safety.

(4) USNH Industrial Hygienist.

(5) NAVFAC Public Works Department.

(6) HAZMIN Center representative.

(7) NAVSTA Guantanamo Bay Fire Department.

9. The HMC&M Committee will:

a. Stake holders in the CHRIMP will meet to discuss process and program changes and developments.

b. Disseminate information on minimization and management on HAZMAT and Hazardous Waste including changes in laws and regulations.

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- c. Meet periodically but no less than quarterly.
  - d. Discuss HAZMAT and Hazardous Waste issues and concerns to continuously improve HAZMAT management.
  - e. Generate and investigates ways of reducing or eliminating certain chemicals from the base.
  - f. Evaluate work processes and practices to substitute a less hazardous or non-HAZMAT.
  - g. Recommend projects that have the potential to reduce HAZMAT and Hazardous Waste to engineering personnel for study/action.
  - h. Investigates the re-use of non-hazardous materials and equipment between various tenants at NAVSTA Guantanamo Bay.
  - i. Develops methods of easily informing the various NAVSTA Guantanamo Bay tenants of material that is available.
10. HAZMIN Center. HAZMIN Center will Issue AUL/MSDS/SDS request form enclosure (2)
11. HAZMAT AUL Request Form. HAZMAT AUL request form will be filled out for all HAZMAT items being procured for any contract, task order, job or project number. Accompanying MSDS/SDS shall be a U.S. manufacturer, in English, less than five years old, and attainable from the manufacturer website.
12. AUL/MSDS/SDS. AUL/MSDS/SDS shall be routed through the approving officials prior to procurement of the HAZMAT. Approving officials are: NAVSTA Guantanamo Bay Safety, NAVFAC Environmental/HAZWASTE, USNH Industrial Hygienist and Supply.
13. Contract/Task Order. Contract/Task Order after NAVSTA Guantanamo Bay, NAVFAC, and USNH approval, AUL/MSDS/SDS shall be submitted to PWD for contract product use approval. After Public Works Department approval to use material in contract work, construction manager or Performance Assessment Representative (PAR) will sign off as the Government representative on the AUL request form and forward all AUL/MSDS/SDS to FLCJ Guantanamo Bay Supply Department for processing.
14. Tenant Commands. Tenant Commands after NAVSTA Guantanamo Bay, NAVFAC, and USNH approval, AUL/MSDS/SDS shall be brought to FLCJ Guantanamo Bay Supply Department for processing.

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15. AUL/MSDS/SDS Request Forms. AUL/MSDS/SDS Request forms shall be further researched by FLCJ Guantanamo Bay Supply, assigned HMIRS MSDS/SDS number and Local Stock Number (LSN) if National Stock Number (NSN) is not available. Requesting product will be added to the work center's AUL with the identifying contract, task order, job, or project number. MSDS/SDS record will be built in Navy ERP HAZMAT tracking system.
16. Bar-code requests. Bar-code requests can be accomplished by using enclosure (5) after product has been added and product arrives on station by sending request via e-mail, fax, or walk in using work center AUL or AUL request. Material expiration date is required at the time of request. Customer will be notified within two business days when bar-codes are ready for pick-up at the FLCJ Guantanamo Bay Supply office.
17. Reporting process. Work center inventory, extension request, and container return required reporting process.
18. Work centers. Work centers shall receive an inventory spreadsheet and extension letter every first business day of the month. They will complete and return the inventory spreadsheet to HAZMIN Center, identifying material that has been disposed of and material that is still needed past the 30 day supply threshold. HAZMIN Center shall then remove all outstanding material, not requested for extension, from Navy ERP. The extension letter must accompany any returned inventory spreadsheet that has material to be extended. The extension letter will include the justification for the extension. Example of a justification would be contract/task order, job or project number with expected completion date.
19. Delinquent. When monthly requirements are delinquent, a report will be sent to the Engineer Tech, Contract Manager, Performance Assessment Representative, or Contracting Officer indicating lack of participation in the CHRIMP program.
20. Future bar-codes. Future bar-codes will not be issued at the time of the request until required reporting is up to date.
21. Containers. All containers including empty ones shall be brought to the HAZMIN Center to verify and annotate the bar-code number and the quantity used prior to proper disposal of the container. The two types of container disposal are those taken to recycling and those taken to HAZWASTE. For containers to be recycled the Container Turn-in form is used. Ensure all bar-

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coded material is annotated on this document. For material containers containing Hazardous Waste the Waste Transfer Document is used. Section two of the Waste Transfer Document will be completed by HAZMIN Center personnel identifying proper disposition of the material. Upon review and the signing of documents by the HAZMIN Center the material will then be disposed of properly by the HMC/HWC of the work center.

## 22. The Re-use Center

a. The Re-use Center is open to any customer that wants to acquire HAZMAT available at "cost avoidance" or "free issue". Customers shall ensure the material is on their AUL and request bar-codes prior to receiving the material from Re-use.

b. HAZMIN Center shall be consulted for procurement to determine if the material is available in the Re-use Center stock. If desired material and quantity are available at the time of the customer request, the material will then be issued.

c. PWD shall obtain a listing of products available in the Re-use Center and recommend contractors/work centers/units to use available stock prior to procurement of new items.

d. Turn in HAZMAT products to Re-use Center.

23. Unused Bar-Coded HAZMAT. Work centers shall notify the HAZMIN Center of all unused bar-coded HAZMAT following completion of the contract, task order, job, or project.

(1) Work centers shall notify the HAZMIN Center of change of management/military unit/or otherwise Point of Contact change, no less than one month prior to occurrence.

(2) An onsite turnover between incoming/outgoing personnel and the HAZMIN Center shall be coordinated and conducted prior to the outgoing personnel departure.

24. Container Condition. HAZMIN center will inspect/ verify the condition of the container for integrity, current FLCJ bar-code, original manufacturer label with product name, valid MSDS/SDS within five year requirement and a minimum of six months shelf life of material shall remain.

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25. Product Reuse. HAZMIN Center shall determine if demand for product warrants receiving material into reuse. If product was procured for a one-time material specific project, then reusable demand is not present. Once accepted into reuse, in the event the material expires, the original owner of the material will be contacted to pick up and transport the expired material to the HAZWASTE facility for disposal within 24 hours of notification.

26. Stowage Space. Courtesy stowage of material that is owned by a customer in excess to their immediate needs, or storage capability, can be provided based on availability of stowage space and only for a period not to exceed thirty days. Space availability is determined at the CHRIMP Manager's discretion. The customer is responsible for disposal costs if material is not used and disposal becomes necessary. The HAZMIN Center will maintain an activity point of contact with phone number, warehouse location of material, storage date and estimated date of customer pick-up.

27. The Locker Inspection Validation will:

a. HAZMIN Center Inspector shall conduct locker assessments/ validations at each work site no less than semi-annually.

b. HAZMIN Center Inspector shall conduct locker validations of all HAZMAT inventory, including current and outstanding material, verifying bar-codes and location of material, confirm quantity on hand is within a thirty day supply, material is within shelf life, container condition, adequate storage facilities, global harmonized system pictograms affixed to locker, hazard material labels on material and lockers, and proper manufacturer product labels with NAVY ERP bar-code affixed. All HAZMAT, HAZWASTE, and Flammable lockers shall have hazardous materials labels affixed by June 2015.

28. HAZMIN Center inspector. HAZMIN Center inspector will complete a validation form and provide a copy to the HAZMAT Coordinator at the time of inspection. A report of discrepancies/recommendations for compliance will be prepared and submitted via email to HAZMAT Coordinator, work center supervisor, and government representative of contract. Upon notification of discrepancies via report, the work center shall rectify noted discrepancies within five business days and stand ready for re-inspection. Upon re-inspection further non-compliances will result in escalated reporting procedures to NAVSTA Safety, NAVFAC Environmental/ HAZWASTE, and USNH

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Industrial Hygiene noting work center's discrepancies for further action.

29. Paperclips-Servmart 3PL-Third Party Logistics:

- a. Be the primary point of procurement for HAZMAT identified as "Cost Material" with a NSN.
- b. Prior to purchase of material, customer will ensure material requested is on their AUL and request no more than a thirty day supply for their work center.
- c. Paperclips shall ensure Navy ERP issue receipt document with bar-codes are present prior to approving point of sale of HAZMAT item.
- d. Paperclips shall affix bar-codes to every container and provide an MSDS/SDS at the time of purchase and pick up.
- e. Paperclips will ensure HAZMAT items that are requesting special purchase orders are on the customer's AUL prior to placing order.

30. NAVSTA Guantanamo Bay Departments, and tenant commands will:

- a. Designate, in writing, a primary and an alternate HAZMAT coordinator.
- b. Ensure primary or alternate HAZMAT coordinator attends scheduled HMUG committee meetings.
- c. Procure all HAZMAT through the HAZMIN Center via the Re-use Center, MILSTRIP requisition or through Paperclips ordering process.
- d. Identify HAZMAT to meet mission requirements and, where feasible, substitute less hazardous or non-HAZMAT.
- e. Determine validity for HAZMAT requirements with focus on controlling and reducing HAZMAT used and stowed on-site.
- f. Ensure work centers maintain a working inventory identified on the AUL not to exceed thirty day supply usage in approved HAZMAT flammable storage lockers.

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g. Ensure all work centers have current, accurate and readily accessible MSDS/DS binders for each specific type of HAZMAT stored.

h. Report all HAZMAT received on NAVSTA Guantanamo Bay via barges, commercial air flights, or United States Postal Service to Supply HAZMIN Center for HAZMAT container barcoding and tracking in Navy ERP within 48 hours of receiving product.

i. Provide a listing of all HAZMAT received to the HAZMIN Center with applicable MSDS/SDS and enclosure (5) Bar-code Request Form, quantity received, shelf life date, and all logistics information necessary to properly identify, bar-code, and track this material.

j. Provide a monthly validation inventory and location of HAZMAT being used.

k. Request a thirty day extension of containers pending project and start/end date as needed by the first business day of the month.

l. Maintain shelf life management on all HAZMAT products and inform the HAZMIN Center of disposal as needed.

m. Ensure all bar-coded excess (unopened and opened) HAZMAT is turned in to the HAZMIN Center. Empty containers and containers determined to be unserviceable will be rejected for disposal of per local and regional environmental procedures as Hazardous Waste.

31. Contractors will:

a. Designate in writing a primary and an alternate point of contact for all HAZMAT concerns.

b. Procure all HAZMAT per the provisioning instructions of the existing contract.

c. Consult with the HAZMIN Center before procurement to determine if the material is available locally. The HAZMIN Center will provide a ready issue service and in support of HAZMAT procurement, replenishment and container tracking.

d. Report all HAZMAT received on NAVSTA Guantanamo Bay via barge, commercial air flights, or USPS to Supply HAZMIN Center

for HAZMAT container barcoding and tracking in Navy ERP within 48 hours after receiving material.

e. Provide a listing of all HAZMAT received to the HAZMIN Center with applicable MSDS/SDS and enclosure (5) Bar-code Request Form, quantity received, shelf life date, and all logistics information necessary to properly identify, bar-code, and track this material.

f. Provide a monthly container inventory validation and location of HAZMAT being used during contract performance.

g. Request a thirty day extension on containers pending contract/project/task number and start/end date as needed by the first business day of the month.

h. Maintain shelf life management of all HAZMAT containers and inform the HAZMIN Center of disposal as needed.

i. Transport empty or waste filled containers with bar-codes on a weekly basis to the HAZMIN Center using the outstanding Container Turn-in Form to be verified in Navy ERP as container "grave" tracking prior to disposal.

j. Will not execute direct sales of HAZMAT to any other entities. Contact the HAZMIN Center prior to the transfer of HAZMAT to any other contractor/contract/work center/unit.

32. Records Management. Records created as a result of this instruction, regardless of media and format, shall be managed per SECNAVINST 5210.8.

  
D. C. CULPEPPER

Distribution:

Electronic only, via NAVSTA GTMO Website or portal  
<https://www.webaccess.usnbgtmpo.navy.mil>



HAZARDOUS MATERIAL  
AUTHORIZED USER LIST (AUL) REQUEST FORM

From: NAVSTA Department / Contractor: \_\_\_\_\_ DATE: \_\_\_\_\_

To: SUPPLY OFFICER NAVSUP FLCJ DET GTMO

Via: NAVSTA Occupation Health and Safety Office  
NAVFAC Environmental / HAZWASTE Office  
USNH Industrial Hygienist Office  
NAVFAC Public Works Department

Project/Contract Completion Date: \_\_\_\_\_ Contract/Job or Task Order # \_\_\_\_\_ Building # \_\_\_\_\_  
\*\*\*\*\*

MATERIAL ACTION REQUIRED (Circle one):      ADD HM to AUL / DELETE HM from AUL

Product Name: \_\_\_\_\_ Manufacture: \_\_\_\_\_

MSDS Number: \_\_\_\_\_ MILSPEC /NSN/Part/Cage #: \_\_\_\_\_

MSDS Date: \_\_\_\_\_ (As a new requirement for building records, MSDS must be newer than five years)

Application method: \_\_\_\_\_ Container Size: \_\_\_\_\_ Type of container: \_\_\_\_\_

Unit of Issue: \_\_\_\_\_ Quantity per Unit Pack: \_\_\_\_\_ Container Price: \_\_\_\_\_

Requestor's Initial:

\_\_\_\_\_ I have read and understand the MSDS for the above HM. All questions and concerns were fully explained.

\_\_\_\_\_ I will provide training to personnel with the use of this HM prior to its introduction into the workplace.

\_\_\_\_\_ I will only maintain a 30 days or less supply of this material and request monthly extension through supply.

Name/Sign: \_\_\_\_\_ Phone # \_\_\_\_\_ Date: \_\_\_\_\_

(Circle one):      Product Requestor / Hazardous Material Coordinator

Name/Sign: \_\_\_\_\_ Phone # \_\_\_\_\_ Date: \_\_\_\_\_

(Circle one):      NAVSTA DEPT. Supervisor / Contractor Safety Representative  
\*\*\*\*\*

Approved/ \_\_\_\_\_ Date in: \_\_\_\_\_

Rejected by: \_\_\_\_\_ Date out: \_\_\_\_\_

(Circle one):      Ph #4655      NAVSTA Safety Representative (Print and Sign)

Approved/ \_\_\_\_\_ Date in: \_\_\_\_\_

Rejected by: \_\_\_\_\_ Date out: \_\_\_\_\_

(Circle one):      Ph# 4994      NAVFAC HAZWASTE Representative (Print and Sign)

Approved/ \_\_\_\_\_ Date in: \_\_\_\_\_

Rejected by: \_\_\_\_\_ Date out: \_\_\_\_\_

(Circle one):      Ph# 72217      USNH Industrial Hygiene Representative (Print and Sign)

Name/Sign: \_\_\_\_\_ Phone #: \_\_\_\_\_

(Circle one):      PWD PAR/ET/Construction Manager (Print and Sign) (N/A if NAVSTA tenant command)

NOTES/COMMENTS/CONCERNS:      If rejected, comment is required to help requestor acquire new material.

From: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SUPPLY HAZMIN CENTER Use Only:**

Received By: \_\_\_\_\_ Date Receive: \_\_\_\_\_

NSN/LSN #: \_\_\_\_\_ HMIRS MSDS #: \_\_\_\_\_

Work center AUL: \_\_\_\_\_ Date Add: \_\_\_\_\_



NAVOSHENVTRACEN

# Appendix 1, INCOMPATIBLE MATERIALS CHART

MATERIAL GROUP	EXAMPLES	INCOMPATIBLE MATERIALS	EXAMPLES	REACTION IF MIXED
<b>HMUG GROUP 1</b>	<b>ACIDS</b> Battery Acids Paint Removers De-Rust Sprays	<b>FLAMMABLE/COMBUSTABLES</b> <b>ALKALIES/BASES/CAUSTICS</b> <b>OXIDIZERS</b> (HMUG GROUPS 2, 3, 4, 6, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 22)	Degreasers, Carbon Removers Antifogging Compounds	<b>HEAT</b> <b>GAS GENERATION</b> <b>VIOLENT REACTION</b>
<b>2</b>	<b>ADHESIVES</b> Epoxies Isocyanates Diethylenetriamine	<b>ACIDS</b> <b>ALKALIES/BASES/CAUSTICS</b> <b>OXIDIZERS</b> (HMUG GROUPS 1, 3, 18)		<b>HEAT</b> <b>FIRE HAZARD</b>
<b>3</b>	<b>ALKALIES</b> <b>BASES/</b> <b>CAUSTICS</b> Ammonia, Sodium Hydroxide Sodium Bicarbonate Cleaners/Detergents	<b>ACIDS/OXIDIZERS</b> <b>FLAMMABLES/COMBUSTABLES</b> (HMUG GROUPS 1, 2, 6, 8, 9, 10, 11, 12, 14, 15, 17, 18, 19, 20, 22)	Battery Acid, Paint Removers, De-Rust Sprays, Paint, Solvents	<b>HEAT</b> <b>GAS GENERATION</b> <b>VIOLENT REACTION</b>
<b>4</b>	<b>CLEANING COMPOUNDS</b> Degreasers Carbon Removers Antifogging Compounds	<b>DETERGENTS/SOAPS</b> <b>OXIDIZERS</b> (HMUG GROUPS 7, 18)	Calcium Hydrochlorite, Sodium Nitrate, Hydrogen Peroxide	<b>HEAT</b> <b>FIRE HAZARD</b>
<b>5</b>	<b>COMPRESSED GASES</b> Acetylene, Helium Propane, Ammonia Oxygen	<b>HEAT SOURCES</b> CONSULT OPNAVIST 5100.19 (SERIES) AND NSTM 670 FOR SPECIFIC HANDLING AND STOWAGE GUIDANCE		<b>FIRE HAZARD</b> <b>EXPLOSION HAZARD</b>
<b>6</b>	<b>CORROSION PREVENTIVE COMPOUNDS</b> Corrosion Inhibitors Chemical Conversion Compounds	<b>ACIDS</b> <b>BASES</b> <b>OXIDIZERS</b> <b>IGNITION SOURCES</b> (HMUG GROUPS 1, 3, 18)		<b>FIRE HAZARD</b>
<b>7</b>	<b>DETERGENTS/SOAPS</b> Detergents, Disinfectant, Scouring Powders, Sodium Hydroxide, Trisodium Phosphate, Potassium Hydroxide (Alkalies/Bases/Caustics)	<b>ACID-CONTAINING COMPOUNDS</b> (HMUG GROUPS 1, 4, 5)	Battery Acid, Paint Removers, De-Rust Sprays	<b>VIOLENT REACTION</b> <b>HEAT</b>
<b>8</b>	<b>GREASES</b> Graphite Silicone Molybdenum	<b>OXIDIZERS</b> <b>ALKALIES/BASES/CAUSTICS</b> (HMUG GROUPS 3, 18)		<b>FIRE HAZARD</b>
<b>9</b>	<b>HYDRAULIC FLUIDS</b> Petroleum-Based Synthetic Fire-Resistant	<b>CORROSIVES</b> (HMUG GROUPS 1, 3) <b>OXIDIZERS</b> (HMUG GROUP 18)		<b>HEAT</b> <b>VIOLENT REACTION</b>
<b>10</b>	<b>INSPECTION PENETRANTS</b> Petroleum-Based Dyes	<b>CORROSIVES</b> (HMUG GROUPS 1, 3) <b>OXIDIZERS</b> (HMUG GROUP 18)	Battery Acid Chlorine Laundry Bleach Calcium Hypochlorite Calcium Oxide	
<b>11</b>	<b>LUBRICANTS/OILS</b> Gen. Purpose, Turbine, Gear, Vacuum, Weapon	<b>CORROSIVES</b> (HMUG GROUPS 1, 3) <b>OXIDIZERS</b> (HMUG GROUP 18)	Hydrogen Peroxide OBA Canisters Lithium Hydroxide Ammonia Paint Removers	<b>EXPLOSION HAZARD</b>
<b>12</b>	<b>PAINTS</b> Primers, Enamels, Laquers, Strippers	<b>OXIDIZERS</b> (HMUG GROUP 18) <b>CORROSIVES</b> (HMUG GROUPS 1, 3)		<b>HEAT</b> <b>FIRE HAZARD</b>
<b>13</b>	<b>PHOTO CHEMICALS</b> Color and B/W, Toners Developers, Replenishers Bleaches/Stopbath	<b>ACIDS</b> <b>HEAVY METALS</b> (HMUG GROUPS 1, 20)		<b>HEAT</b> <b>FIRE HAZARD</b>
<b>14</b>	<b>POLISH/WAX COMPOUNDS</b> Buffing Compound Metal Polish Gen. Purpose Wax	<b>CORROSIVES</b> <b>OXIDIZERS</b> (HMUG GROUPS 1, 3, 18)		<b>HEAT, FIRE HAZARD</b> <b>VIOLENT REACTION</b>
<b>15</b>	<b>SOLVENTS (HYDROCARBONS)</b> Acetone, Methyl Ethyl Ketone (MEK), Toluene, Xylene, Alcohols	<b>CORROSIVES</b> <b>OXIDIZERS</b> <b>BATTERIES</b> (HMUG GROUPS 1, 3, 18, 21)	Battery Acid Calcium Hypochlorite Sodium Nitrate Hydrogen Peroxide Sodium Hydroxide	<b>HEAT</b> <b>FIRE HAZARD</b>
<b>16</b>	<b>THERMAL INSULATION</b> Asbestos, Fibrous Glass Man-Made Vitreous Fibers	<b>MATERIAL IS NOT REACTIVE</b> <b>KEEP DRY</b>		<b>NO REACTION</b>
<b>17</b>	<b>WATER TREATMENT CHEMICALS</b> Tri-Sodium Phosphate Caustic Soda Citric Acid Harness Buffer Titrating Solutions	<b>CORROSIVES</b> <b>OXIDIZERS</b> <b>HEAVY METALS</b> (HMUG GROUPS 1, 3, 18, 20)		<b>HEAT</b> <b>VIOLENT REACTION</b>
<b>18</b>	<b>OXIDIZERS</b> Chlorine Laundry Bleach Calcium Hypochlorite, Calcium Oxide Hydrogen Peroxide, OBA Canisters Lithium hydroxide	<b>PETROLEUM BASED MATERIALS</b> <b>FUELS SOLVENTS,</b> <b>CORROSIVES, HEAT</b> <b>GROUPS 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 14, 15, 17, 19, 20, 21, 22)</b>		<b>FIRE HAZARD</b> <b>TOXIC GAS GENERATION</b>
<b>19</b>	<b>FUELS</b> JP4, JP5, Gasoline	<b>CORROSIVES</b> <b>OXIDIZERS</b> (HMUG GROUPS 1, 3, 18)	Battery Acid Calcium Hypochlorite Sodium Nitrate Sodium Hydroxide	<b>FIRE HAZARD</b> <b>TOXIC GAS GENERATION</b>
<b>20</b>	<b>HEAVY METALS</b> Beryllium, Chromium, Copper, Lead, Magnesium, Mercury, Nickel, Strontium Chromate, Tin, Zinc	<b>CORROSIVES</b> <b>OXIDIZERS</b> <b>WATER TREATMENT/</b> <b>PHOTO CHEMICALS</b> (HMUG GROUPS 1, 3, 6, 13, 17, 18, 21)		<b>VIOLENT REACTION</b> <b>GENERATION OF TOXIC AND FLAMMABLE GAS</b>
<b>21</b>	<b>BATTERIES</b> Lead Acid, Alkaline Lithium, Dry Cell	<b>SOLVENTS</b> <b>HEAVY METALS</b> <b>OXIDIZERS</b> (HMUG GROUPS 15, 18, 20)	Xylene Toluene Alcohol Tin Zinc Chromium	<b>HEAT</b> <b>VIOLENT REACTION</b> <b>TOXIC GAS GENERATION</b>
<b>22</b>	<b>PESTICIDES</b> Insecticides, Fungicides Rodenticides, Fumigants	<b>CORROSIVES</b> <b>OXIDIZERS</b> (HMUG GROUPS 1, 3, 18)		<b>TOXIC GAS GENERATION</b>



1. This Chart is to be used as a **Guide Only!**
2. Compare the desired HMUG Group in the left column with the Incompatible Material(s) of that Group in the Center Column, on the same row.
3. Locate the Material(s) in the Center Column to be mixed with the desired Group in the Left Column, the Expected Reaction(s) can be seen in the right Column.
4. For **specific information** on storage of Hazardous Materials, consult the MSDS, HMUG, OPNAVINST 5100.19 (Series), NSTM 670, Ships Hazardous Material List (SHML), and NAVSUP PUB 573.

Produced for COMNAVSUPSYSCOM  
By  
NAVAL OCCUPATIONAL SAFETY AND HEALTH,  
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REV 1/JANUARY 1996

**HAZARDOUS MATERIAL COORDINATOR  
POINT OF CONTACT**

DATE: \_\_\_\_\_

WORKCENTER: \_\_\_\_\_

**PERSONNEL ASSIGNED AS HAZARDOUS MATERIALS COORDINATOR (S):**

PRIMARY HAZMAT COORDINATOR: \_\_\_\_\_  
PLEASE PRINT

EMAIL: \_\_\_\_\_ PHONE: \_\_\_\_\_

ALTERNATE HAZMAT COORDINATOR: \_\_\_\_\_  
PLEASE PRINT

EMAIL: \_\_\_\_\_ PHONE: \_\_\_\_\_

**THIS ASSIGNMENT COVERS THE FOLLOWING WORK SITES/AREAS:**

COMMAND/CONTRACTOR: \_\_\_\_\_

CONTRACTOR PAR/COR NAME: \_\_\_\_\_ PHONE: \_\_\_\_\_

TASK ORDER/JOB NUMBER/PROJECT NAME: \_\_\_\_\_

BUILDING NUMBER (S): \_\_\_\_\_

SUPERVISOR: \_\_\_\_\_ TITLE: \_\_\_\_\_ PHONE: \_\_\_\_\_  
PLEASE PRINT

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
EMAIL

## REQUEST FOR BARCODES

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**TO BE COMPLETED BY CUSTOMER:**

DATE: \_\_\_\_\_

WORK CENTER: \_\_\_\_\_ BLDG #: \_\_\_\_\_ SHOP NAME: \_\_\_\_\_

CONTRACT #: \_\_\_\_\_ COMPLETION DATE: \_\_\_\_\_

TASK #/PROJECT #/WORK ORDER #: \_\_\_\_\_

ITEM: \_\_\_\_\_

IS ITEM ON AUL?    YES \_\_\_\_\_ NO \_\_\_\_\_ UNKNOWN \_\_\_\_\_

LSN/NSN: \_\_\_\_\_ MSDS #: \_\_\_\_\_

BARCODE QUANTITY REQUESTED: \_\_\_\_\_

MANUFACTURER: \_\_\_\_\_

MFG. DATE: \_\_\_\_\_ MFG. EXPIRATION DATE / TEST DATE: \_\_\_\_\_

\*\*\*\*\*

REQUESTED BY: \_\_\_\_\_

PLEASE PRINT

\_\_\_\_\_  
SIGNATURE

PHONE #: \_\_\_\_\_ EMAIL: \_\_\_\_\_

8 Jun 15

Storage Pictograms



Oxidizing Gas



Gas Under Pressure



Health Hazard



Exploding Bomb



Acute Toxicity



Flammables



Corrosives



Irritants



Aquatic Toxicity

Transport Pictograms



Explosives (Class 1)



Flammables (Class 3, 4)



Gases (Class 2)



Oxidizers (Class 5)



Toxic (Class 6)



Corrosives (Class 8)