

E. HAZARDOUS CHARACTERISTICS

- Radioactive, Compressed Gas, Infectious, Flammable Solid, Toxic, Organic Peroxide, Explosive, Shock Sensitive, Pyrophoric, Reactive Metals, Oxidizer, Corrosive, Other Describe, Corrosive, None of the above

F. IDENTIFY THE HEALTH HAZARD CHARACTERISTICS FROM THE TABLE BELOW

- Immediate (Acute) Health Hazard: None, Highly Toxic, Toxic, Irritant, Sensitizer, Corrosive, Other Hazardous Chemicals with an adverse effect on a target organ that generally occurs as a result of short term exposure and with a short duration.
Delayed (Chronic) Health Hazard: Carcinogens (if carcinogens are known to be in waste, specify the carcinogen in Section C), Other Hazardous Chemicals with an adverse effect on a target organ that generally occurs as a result of long term exposure and with a long duration.

G. SHIPPING INFORMATION

- Bulk Liquid, Drums (Steel), Bulk Solid, Drums (Poly), Bulk Sludge, Shipping Frequency, Other Describe, Quantity, Per

H. MANIFEST INFORMATION

Is this a DOT Hazardous Material? Yes No
Proper DOT shipping name (49CFR table 172.101) Rq. Units (lb/kg)
DOT Hazard Class / Division: UN/UA Packing Group (select one) I II III
Additional descriptions requirements (49CFR 172.203)
Emergency response telephone number (49CFR 172.604) Contact (print name)

I. WASTE CHARACTERISTICS

Is this a US EPA Hazardous Waste? Yes No US EPA Hazardous Waste Number(s) Hazard Codes
If yes, if the waste is a characteristic hazardous waste, does it contain underlying hazardous constituents (as defined at 40CFR 268.2(l)) Above the Universal Treatment Standard.
State Non-Hazardous Waste Number(s)
Does this waste contain any PCBs? Yes No If yes, indicate level Are PCBs TSCA Regulated? Yes No
Does this waste contain any herbicides, pesticides, dioxin or residues thereof? Yes No If yes, list compound and concentration in Section C.
Is this waste prohibited from land disposal under 40CFR Part 268? Yes No
If yes, list waste subcategory description, if applicable or check none None
Is this waste a (check one) Non-Wastewater Wastewater? (See 40CFR 268.2)
Benzene NESHAP applicability: Is waste subject to management under National Emission Standards for Benzene Waste Operations as provided in 40CFR Part 61 Subpart FF?
If this waste is a RCRA Hazardous Waste, does it contain VOCs in concentrations >=500 PPM (40CFR Subpart CC)? Yes No
Are there any special handling instructions for the disposal of this waste? Yes No If yes, specify

J. AUTHORIZATION TO CORRECT WMPS

I AUTHORIZE CLEAN EARTH OF NORTH JERSEY TO MAKE CORRECTIONS TO THIS WMPS. CORRECTIONS MUST BE CONSISTENT WITH THE RESULTS OF SAMPLE ANALYSIS AND REGULATORY REQUIREMENTS. I UNDERSTAND THAT A CORRECTED COPY OF THE WMPS WILL BE SENT TO ME.

Signature

K. SPECIAL HANDLING COMMENTS

L. OFFICIAL USE ONLY

M. APPROVAL

Safety
Environ

N. POLYCHLORINATED BIPHENYL (PCB), HERBICIDE, INSECTICIDE/ALUMINUM AND REACTIVE METAL WARRANTY

I hereby warrant that the material transferred to Clean Earth of North Jersey (CENJ) for transportation, treatment, storage and/or disposal is not radioactive waste, does not contain >1% asbestos and is not contaminated by either Polychlorinated Biphenyl or Herbicide/Pesticide/Insecticide or Dioxins or Furans of any value unless it is listed in Section C and approved by CENJ, nor does it contain Elemental Aluminum or Reactive Metal Paste, Powder, or Pigment unless it is listed in Section C and approved by CENJ and hereby agree to indemnify and hold CENJ harmless from any costs, damages, or other liability resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet, including the indemnification listed on the back page.

O. The information on this Waste Material Profile Sheet (WMPS) may have been prepared by other individuals. By signing Section O of this WMPS, I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards.

Date Printed Name Title Signature

Clean Earth of North Jersey has all of the appropriate permits for and will accept the waste that has been characterized/identified by this Approved Waste Material Profile Sheet.

WASTE MATERIAL PROFILE SHEET INSTRUCTIONS

The following information is required of all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may be transported, stored, treated or disposed of in a legal, safe and environmentally sound manner. All questions must be answered and completed in ink. Response of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Other items need definition or instruction as follows:

PART A - GENERATOR INFORMATION

GENERATOR NAME AND ADDRESS- As notified to EPA.

MAILING ADDRESS- Should be the location that will manage the returned waste profile sheets and manifest.

US EPA ID- For the facility generating the waste.

TECHNICAL CONTACT- A person who could give additional information about the waste, if needed.

COMMON NAME OF WASTE- A name which will be generally descriptive of the waste; a generic classification (e.g., paint, oil and water).

PROCESS GENERATING WASTE- Specific descriptive process or source which generates the waste.

PART B - PHYSICAL/CHEMICAL CHARACTERISTICS OF WASTE

ODOR- If present, describe as well as possible (e.g., solvent, acrid, sweet).

COLOR- Self explanatory.

PHYSICAL STATE- Check as many as apply.

FLASH POINT/IGNITABILITY- A value attained using the appropriate testing method as set forth in 40CFR Part 261.21.

AIR REACTIVE- Will ignite spontaneously in air.

SHOCK SENSITIVE- Normally unstable and readily undergoes violent change without detonating.

GENERATES TOXIC FUMES- In sufficient quantity to endanger human health or the environment when mixed with water, acid or base.

PERCENT LIQUID/SOLID- List the % total solids, suspended solids, free liquids and water.

SPECIFIC GRAVITY- The weight of the water compared to the weight of an equal volume of the waste.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, Material Safety Data Sheets or other documents which adequately describe the composition of the waste must be provided. For each component indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5) indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTS D, F and/or H should be included, even if specific concentrations are not known. Any components listed in PARTS D, F, and/or H which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth or other components. If a unit of measure other than percent must be used,

indicate that unit. Indicate which, if any, of the constituents are listed in SARA, Title III, Section 313. This list can be found at 40CFR Part 372. Also, indicate which, if any, of the constituents are listed in SARA, Title III, EHS Section 302. This list can be found at 40 CFR Part 355; Appendices A and B.

PART D - TOXICITY CHARACTERISTIC

Use the appropriate line to indicate the actual level, specified ranges or if below regulated level for each toxicity characteristic as defined by 40CFR Part 261.24.

PART E - HAZARDOUS CHARACTERISTICS

Complete if the waste exhibits any of the hazardous characteristics as per OSHA 29CFR Part 1910.1200 Hazard Communications Standard.

PART F - SARA/OSHA

See below for detailed directions.

PART G - SHIPPING INFORMATION

Indicate method of shipment and type of container. If drums, they must be as specified in 49CFR Part 173, 178 or 179. Indicate quantity to be shipped during specified time frame (e.g., 10 drums per month).

PART H - MANIFEST INFORMATION

Is the waste a US DOT hazardous material as defined in 49CFR Part 172.101? If yes, enter the **SHIPPING NAME, HAZARD CLASS/DIVISION, DOT ID NUMBER, R.Q.** (Reportable Quantity) as defined in 49CFR and identify applicable **PACKAGING GROUP**. Enter the technical names of at least two most predominant components which contribute to the hazards of the mixture or solution for all proper shipping names found in 49CFR Part 172.203 (k)3. Enter the Emergency Response Telephone number and contact name as required by 49CFR Part 172.604.

PART I - WASTE CHARACTERISTICS

Use this section to properly list all applicable US EPA/STATE Hazardous Waste Numbers and identify any waste that may be prohibited from land disposal under 40CFR Part 268.

PART J - AUTHORIZATION TO CORRECT WMPS

Provide generator's signature in this section to allow CENJ to make corrections on the WMPS that are consistent with the results of sample analysis and regulatory requirements. Signing this section will help expedite the approval

process in the event corrections need to be made.

PART K - SPECIAL HANDLING/ COMMENTS

Use this section to alert the handlers of the waste of any precautions that should be taken or if the waste requires special safety or personal protective equipment. Use this space to list any additional information that may help in managing this waste.

PARTS N/O - WARRANTIES/ SIGNATURE

Please read these warranties carefully. If any of these warranties cannot be certified, state the reason in Section K, Comments. The generator of the waste must sign and date the Generator's Waste Material Profile Sheet.

*PART F - CONTINUED, Instructions on Health Hazard Characterization

Identify by checking the box which most appropriately describes the hazardous characteristics as defined below:

NONE

Self-explanatory.

HIGHLY TOXIC

- (a) A chemical that has a median lethal dose (LD50) of 50 milligrams or less per kilogram of body weight when administered orally to albino rats weighing between 200 and 300 grams each.
- (b) A chemical that has a median lethal dose (LD50) of 200 milligrams or less per kilogram of body weight when administered by continuous contact for 24 hours (or less if death occurs within 24 hours) with the bare skin of albino rabbits weighing between 2 and 3 kilograms each.
- (c) A chemical that has a median lethal concentration (LC50) in the air of 200 parts per million by volume or less of gas or vapor, or 2 milligrams per liter or less of mist, fume or dust, when administered by continuous inhalation for one hour (or less if death occurs within one hour) to albino rats weighing between 200 and 300 grams each.

TOXIC

- (a) A chemical that has median lethal dose (LD50) of more than 50 milligrams per kilogram but not more than 500 milligrams per kilogram of body weight when administered orally to albino rats weighing between 200 and 300 grams each.
- (b) A chemical that has a median lethal dose (LD50) of more than 200 milligrams per kilogram but not more than 1000 milligrams per kilogram of body weight when administered by continuous contact for 24 hours (or less if death occurs within 24 hours) with the bare skin of

albino rabbits weighing between 2 and 3 kilograms each.

(c) A chemical that has a median lethal concentration (LC50) in air of more than 200 parts per million but not more than 2000 parts per million by volume of gas or vapor, or more than two milligrams per liter but not more than 20 milligrams per liter of mist, fume, or dust, when administered by continuous inhalation for one hour (or less if death occurs within one hour) to albino rats weighing between 200 and 300 grams each.

IRRITANT

Irritant means a chemical substance or mixture, not a corrosive which on immediate, prolonged or repeated contact with normal living tissues induces a local inflammatory response in the skin, eyes or mucous membranes per 16CFR Part 1500.41.

SENSITIZER

Sensitizer means a chemical substance or mixture that causes a substantial number of persons to develop a hypersensitive reaction in normal tissue upon reapplication of the chemical substance or mixture through an allergic or photodynamic reaction.

CORROSIVE

Corrosive Material means a chemical liquid or solid that causes visible destruction or irreversible alteration in human skin tissue at the site of contact or in the case of leakage from its packaging, a liquid that has a severe corrosion rate on steel.

(1) A Material is considered to be destructive or to cause irreversible alteration in skin tissue if, when tested on the intact skin of the albino rabbit by the method described in Appendix A of 49CFR Part 173, the structure of the tissue at the site of contact is destroyed or changed irreversibly after an exposure period of 4 hours or less.

(2) A liquid is considered to have a severe corrosive rate if its corrosion rate exceeds 0.250 inch per year (IPY) on steel (SAE 1020) at a test temperature of 103F.

OTHER HAZARDOUS CHEMICALS . . .

Short Term

Acute (short term) refers to the adverse effects that normally are evident immediately or shortly after the exposure. Appropriate information on the effects of inhalation and skin or eye exposure should be entered here. The information should be in the form of simple symptomatic statements such as "pale and nauseous," "dizzy feeling," "weak," "irritation," etc. Again, refer to supplier MSDSs, the NPCA Labeling Guide or any other appropriate source for hazard warning language.

CARCINOGENS

Carcinogen means a chemical which has been demonstrated to cause cancer in humans or to cause cancer in animals and, therefore, is considered capable of causing cancer in humans. A chemical is considered to be a carcinogen if:

(a) it has been evaluated by the International Agency for Research on Cancer (IARC) and found to be a carcinogen or potential carcinogen; or

(b) it is listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP) (latest edition); or
(c) it is regulated by OSHA as a carcinogen.

OTHER HAZARDOUS CHEMICALS . . .

Long Term

Chronic (long term, cumulative) refers to the adverse effects that develop slowly over a long period of time or upon repeated prolonged exposure. Appropriate information on the effects of chronic overexposure should be reported here. Evidence of carcinogenicity, asbestosis, sensitization, etc., should be indicated here. Known or suspect mutagens or teratogens must also be identified here.

Mutagen means those chemical or physical effects which can alter genetic material in an organism and results in physical or functional changes in all subsequent generations.

Teratogen means a chemical which has been demonstrated to cause physical defects in the developing embryo.

SAMPLES

If the generator cannot properly characterize their waste, a representative sample must accompany each Waste Material Profile Sheet submitted to CENJ. The only exception would be for virgin material where a Material Safety Data Sheet (MSDS) has been submitted with the Profile Sheet.

All samples must be taken according to 40CFR Part 261 Appendix I or the New Jersey DEP Field Sampling Procedures Manual.

All samples must be packaged according to US DOT, US EPA and any other applicable regulations.

Each sample container must be properly labeled to comply with NJAC 7:26 - 8.2(A) 12ii and NJAC 8:59 - Subchapter 5 and any other applicable regulations.

A CENJ Chain of Custody Record must be completed and submitted with each sample. Samples which are not properly classified, described, packaged, marked, labeled and in the proper condition to transport according to the applicable regulations of the US DOT, OSHA, NJ DEP, New Jersey Worker and Community Right-to-Know Act and/or any other applicable regulations may be rejected and returned at the generator's expense.

INDEMNITY

Customer hereby agrees to indemnify and hold CENJ harmless from and against any and all loss, damage, suits, liability and expenses (including, but not limited to, reasonable investigation and legal expenses) arising out of any claim for loss of or damage to property, including CENJ's property, and injuries to or death of persons, including customer's or CENJ's employees, caused by or resulting from the negligence or willful misconduct or violation of any federal, state or local laws or regulations of customer, its employees or agents. CENJ hereby agrees to indemnify and hold customer harmless from and against all loss, damage, suits, liability and expenses (including, but not limited to, reasonable

investigation and legal expenses) arising out of any claim for loss of or damage to property, including customer's property, and injuries to or death of persons, including CENJ's or customer's employees, to the extent caused by or resulting from the negligence or willful misconduct of CENJ, its employees or agents.

DISTRIBUTION OF COPIES

Retain a copy for your records. Send a copy of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address below.

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