

PSN: UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc Chloride), 9, PG III

Q1: Is each container > 5.0 kg (11 lbs) net capacity each for solids? IF YES, Use this instruction. IF NO, GO TO Q2.

Q2: Is total weight (ALL contents + packaging) GREATER than (>) 66 lbs? IF YES, Use this instruction. IF NO, USE PI-3082EHS2E-LQ.

IF YOU ANSWERED 'NO' TO Q1 AND 23, USE PACKING INSTRUCTION **3082EHS2E-LQ** TO PACK/SHIP PRODUCT

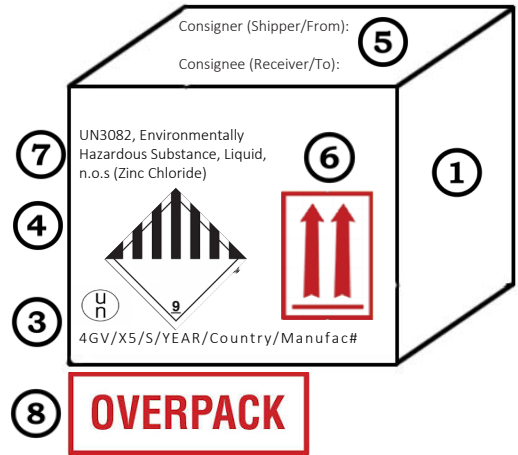


MODE OF TRANSPORT PROHIBITIONS: Ground shipping: **ALLOWED** | NO AIR OR VESSEL SHIPPING IS PERMITTED W/O WRITTEN AUTHORIZATION FROM LIIHAZMAT@LENNOXINTL.COM. IF WRITTEN AUTHORIZATION IS GIVEN, LIMITS ARE: Passenger aircraft/rail: **ALLOWED no limit** | Cargo aircraft: **ALLOWED no limit** | Vessel: **ALLOWED, Stowage Category A**

MATERIALS OF TRADE EXCEPTION - MAY BE SOLD BY LENNOX STORES TO TRADESMEN IN QUANTITIES NOT TO EXCEED A TOTAL OF 8 GAL (30 LITERS) OF PRODUCT UNLESS tradesmen shows proof of commercial drivers license (CDL) with hazardous materials /dangerous goods endorsement. If tradesman has endorsed CDL, sales volume limits do not apply.

CONTAINER & PACKAGING REQUIREMENTS

- ① Use strong outer packaging appropriate for weight of contents (i.e. box must be rated for the maximum weight being placed in the box). If you cannot tell the weight rating of the box, please ask your supervisor and/or contact Lennox Environmental at liihazmat@lennoxintl.com or +1-972-497-7532.
- ② Add separation materials to prevent damage to containers AND hold upright.
- ③ Cardboard packing box must have a PREPRINTED UN symbol on it, and a rating of 4GV/X5/S, 4GV/X7/S, or 4G/Y24.2/S. IF A BOX IS REQUIRED to ship this product. If you do not have a U/N certified box contact your supervisor, you may not use a non-U/N certified box to ship this product.
- ④ Box must be labeled with the Class 3 Flammable Liquid Label on two opposite sides of box. NEVER PUT LABELS ON TOP OR BOTTOM OF BOX.
- ⑤ Place the Consigner (Shipper/From) / Consignee (Receiver/To) on box with weather resistant marking.
- ⑥ Orientation Arrow is required for this UN number in correct direction (UP) on two **OPPOSING SIDES** of the box.
- ⑦ Box must be marked with "UN3082" and "Environmentally Hazardous Substance, Liquid, n.o.s. (Zinc Chloride)" within 6 inches of labels in ④
- ⑧ If you are putting an inner package/box holding this product inside an outer box or on a pallet (i.e. using an 'overpack'), inner boxes MUST MEET THIS PACKING INSTRUCTION. **AND**, outer box or pallet shrink wrap MUST BE MARKED and LABELED with every marking/label used on the inner boxes if not visible through the overpack. **Outer box must have the OVERPACK marking.**



An 'overpack' is a container (box, shrink-wrapped pallet, etc.) used to consolidate individual containers in an easier to ship form.

FOR QUESTIONS OR WAIVERS PLEASE CONTACT LIIHAZMAT@LENNOXINTL.COM



DO NOT SHIP UN3082EHS2 IN THE SAME VEHICLE WITH THESE CLASSES



DO NOT SHIP UN3082EHS2 WITHOUT SEPARATION WITH THESE CLASSES



PSN: UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc Chloride), 9, PG III, Ltd Qty

Q1: Does package contain not over 5.0 kg (11 lbs) net capacity in individual containers for solids? IF YES GO TO Q2. IF NO, USE PI-3082EHS2E-R.

Q2: Is total weight (ALL contents + packaging) LESS than (<) 66 lbs? IF YES, GO TO ANSWER. IF NO, USE PI-3082EHS2E-R.

IF YOU ANSWERED 'YES' TO Q1 AND Q2, USE THIS PACKING INSTRUCTION TO PACK/SHIP PRODUCT.



MODE OF TRANSPORT PROHIBITIONS: Ground shipping: **ALLOWED** | Passenger aircraft/rail: **ALLOWED no limit** | Cargo aircraft: **ALLOWED no limit** | Vessel: **ALLOWED, Stowage Category A**

MATERIALS OF TRADE EXCEPTION - MAY BE SOLD BY LENNOX STORES TO TRADESMEN IN QUANTITIES NOT TO EXCEED A TOTAL OF 8 GAL (30 LITERS) OF PRODUCT UNLESS tradesmen shows proof of commercial drivers license (CDL) with hazardous materials /dangerous goods endorsement. If tradesman has endorsed CDL, sales volume limits do not apply.

CONTAINER & PACKAGING REQUIREMENTS

① **Use strong outer packaging** appropriate for weight of contents (i.e. box must be rated for the maximum weight being placed in the box). If you cannot tell the weight rating of the box, please ask your supervisor and/or contact Lennox Environmental at liihazmat@lennoxintl.com or +1-972-497-7532.

② **Add separation materials** to prevent damage to containers AND hold upright.

③ **Box must be marked with the Limited Quantity (LQ) marking** on one side of box.

④ **Place the Consigner (Shipper/From) / Consignee (Receiver/To) on box** with weather resistant marking.

Orientation Arrow is required for this UN number in correct direction (UP) on two **OPPOSING SIDES** of the box.

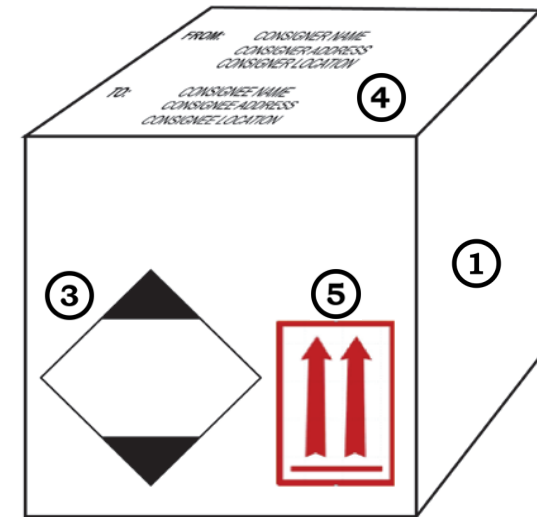
If you are putting an inner package/box holding this product inside another box or on a pallet (i.e. using an 'overpack'), inner boxes **MUST MEET THIS PACKING INSTRUCTION. AND**, outer container or shrink wrap **MUST BE MARKED** and **LABELED** with every marking/label used on the inner boxes if not visible through the overpack. **Outer box must have the OVERPACK marking.**

An 'overpack' is a container (box, shrink-wrapped pallet, etc.) used to consolidate individual containers in an easier to ship form.

⑦ **Weigh the completed package once all items have been added.** Verify max gross weight of the package **DOES NOT EXCEED 66 lbs (30 kg)**. If weight exceeds 66 pounds you must use PI-3082EHS2E-R for fully regulated hazardous materials packing instructions instead.

WARNING- If liihazmat@lennoxintl.com approves **IN WRITING** shipping by air or rail, you must add **this label to two OPPOSITE sides of box** (in addition to the LQ label) and not exceed the quantity limits under **MODE OF TRANSPORT PROHIBITIONS** listed above. IATA shipping papers are required for AIR SHIPPING.

SHIPPING PAPER CHECK IS REQUIRED Before providing shipping papers to a carrier, you must verify the product description on the shipping paper (bill of lading) is correct. If your **package** weighs 66 pounds (lbs) or less, you must add **", Ltd Qty"** to the shipping paper using a pen after the description located in the **SEE !!WARNING!! IMAGE. PACKAGE WEIGHT:** By legal definition includes all contents including hazardous materials in one container or on a pallet yielding a **TOTAL** weight of shipment (not just individual hazardous material weight).



!! SHIPPING PAPER WARNING !!
ADD ", LTD QTY" ON ANY SHIPMENT 66 LBS OR LESS

Descriptions of articles	special marks and Exceptions
***** DANGEROUS GOODS *****	(X.X kg)
UN3082, Environmentally hazardous substance, liquid,	
n.o.s. (Zinc Chloride), 9, PG III, Ltd Qty	←
AIR CONDITIONERS, FURNACES, SOLAR HEATING AND COOLING EQUIPMENT, AND MATERIALS EQUIPMENT, AND SUPPLIES USED IN THE MANUFACTURE, SALE, AND DISTRIBUTION THEREOF.	

FOR QUESTIONS OR WAIVERS PLEASE CONTACT LIHAZMAT@LENNOXINTL.COM



DO NOT SHIP UN3082EHS2 IN THE SAME VEHICLE WITH THESE CLASSES



DO NOT SHIP UN3082EHS2 WITHOUT SEPARATION WITH THESE CLASSES



Data from the Hazardous Materials Table

Source: 49 CFR §172 (2018/07)

(3) Hazard Class 9 Miscellaneous hazardous materials	(4) Identification number ☺ UN 3082	(5) Packing Group ☺ III
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(6) Labels ☺



(1) Symbols ☺

This entry is signed with "G". The letter "G" identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parentheses, in association with the basic description. (See §172.203(k)).

(7) Special Provisions (§172.102) ☺

Note: Special provisions may be very complex. The extracts are taken from 49 CFR §172.102. Please be careful with the information, as necessary, additional conditions may be applied that are not written here. Please check the original source and report bugs.

8	A hazardous substance that is not a hazardous waste may be shipped under the shipping... read more
146	This description may be used for a material that poses a hazard to the environment but... read more
173	For adhesives, printing inks, printing ink-related materials, paints, paint-related... read more
335	Mixtures of solids that are not subject to this subchapter and environmentally hazardous... read more
IB3	Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (... read more)
T4	see 49 CFR §172.102
TP1	The maximum degree of filling must not exceed the degree of filling determined by the... read more
TP29	A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used... read more

(8) Packing Authorizations (§173.***) ☺

(8A) Exceptions	155	see 49 CFR §173.155
(8B) Non-bulk	203	see 49 CFR §173.203
(8C) Bulk	241	see 49 CFR §173.241

(9) Quantity Limits ☺

(9A) Passenger aircraft/rail	No limit
(9B) Cargo aircraft only	No limit

(10) Vessel storage ☺

(10A) Location	A
Stowage category "A" means the material may be stowed "on deck" or "under deck" on a... read more	

lower hazard – that is, if it belongs to Packing Group II or III, other than division 4.3, or is a consumer commodity (ORM-D) – the maximum amount of material in each package is 30 kg (66 lbs) for solids, or 30 L (8 gal) for liquids.

UN proper shipping name
Zinc chloride, anhydrous
Transport hazard class(es)



Class:
8 Corrosive substances

United Nations/North American Number Datasheet

Print Friendly Page

UN/NA 3082



CAMEO Chemicals has 102 chemical datasheets with response recommendations for this UN/NA number. Response recommendations from the ERG are provided below.

Emergency Response Guidebook (ERG, 2016)

What is this information?

Material Names
Environmentally hazardous substance, liquid, n.o.s.
Hazardous waste, liquid, n.o.s.
Other regulated substances, liquid, n.o.s.



Response Guide 171

Substances (Low to Moderate Hazard)

English Español Français

There are no initial isolation and protective action distances listed in the ERG.

The ERG doesn't predict that large amounts of toxic-by-inhalation gases will be produced if this material is spilled in water.

Hazmat Table (49 CFR 172.101)

What is this information?

UN/NA	Proper Shipping Name	Hazard Class	Labels	Notes*
NA	Hazardous waste, liquid, n.o.s.	9	9	Domestic (U.S.), Technical Name Required
NA	Other regulated substances, liquid, n.o.s.	9	9	Domestic (U.S.), Technical Name Required
UN	Environmentally hazardous substance, liquid, n.o.s.	9	9	Technical Name Required

* There are three notes: (1) whether the displayed information is for domestic (U.S.) or international shipping (if neither is specifically indicated, it applies to both), (2) whether the proper shipping name must include one or more technical names of the hazardous material in parentheses, and (3) whether the hazardous material is an inhalation hazard.

SEGREGATION TABLE FOR HAZARDOUS MATERIALS

Class or division	Notes	1.1	1.2	1.3	1.4	1.5	1.6	2.1	2.2	2.3 gas zone A	2.3 gas Zone B	3	4.1	4.2	4.3	5.1	5.2	6.1 liquids PG I zone A	7	8 liquids only	
Explosives	1.1 and 1.2	A	*	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Explosives	1.3		*	*	*	*	*	X		X	X	X	X	X	X	X	X	X			X
Explosives	1.4		*	*	*	*	*	O		O	O	O	O	O	O	O	O	O			O
Very insensitive explosives	1.5	A	*	*	*	*	*	X	X	X	X	X	X	X	X	X	X	X			X
Extremely insensitive explosives	1.6		*	*	*	*	*														
Flammable gases	2.1		X	X	O	X				X	O							O			O
Non-toxic, non-flammable gases	2.2		X			X															
Poisonous gas Zone A	2.3		X	X	O	X		X				X	X	X	X	X	X				X
Poisonous gas Zone B	2.3		X	X	O	X		O				O	O	O	O	O	O				O
Flammable liquids	3		X	X	O	X			X		O						O				X
Flammable solids	4.1		X			X				X	O							X			O
Spontaneously combustible materials	4.2		X	X	O	X				X	O							X			X
Dangerous when wet materials	4.3		X	X		X				X	O							X			O
Oxidizers	5.1	A	X	X		X				X	O		O					X			O
Organic peroxides	5.2		X	X		X				X	O							X			O
Poisonous liquids PG I Zone A	6.1		X	X	O	X		O				X	X	X	X	X	X				X
Radioactive materials	7		X			X		O													
Corrosive liquids	8		X	X	O	X				X	O		O	X	O	O	O	X			