

# NEBRASKA AGRI-BUSINESS ASSOCIATION, INC.

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## *SAFETY DECAL AND MARKINGS*

### *FOR NEBRASKA'S*

## *FERTILIZER & AG-CHEMICAL INDUSTRIES*

### **2021 DEALER SAFETY DECAL CATALOG COMPLIANCE INFORMATION & PRICE LIST**

# COMPLIANCE

## **STORAGE TANKS:** (Anhydrous Ammonia or other Hazardous Materials)

Contents: The contents of the container **must** be marked on the outside of the container in at least 4 inch letters in a contrasting color or two sides. (4 sides for nurse tanks)

**Dealer Name and Address:** On or at the location of a storage container, the dealer name, address and phone number should be displayed. New ANSI Regulations require: "A legible sign shall be displayed on the premises at which a storage system is located, so as to be readily visible to emergency response personnel, stating the name, address, and telephone number of the nearest representative, agent, or owner of the storage system." It is suggested that the fire department telephone number or an emergency phone number be displayed on the same sign.

**Valve Markings:** In at least 2 inch letters, **liquid** valves should be marked with the letters ORANGE LIQUID. In at least 2 inch letters, **vapor** valves should be marked with the letters YELLOW VAPOR. These markings should be placed within 12 inches of the valve. (If over 3,000 water gallons.)

**Valves:** Liquid valves shall be painted orange and vapor shall be painted yellow. Lock-caps are recommended in the same appropriate color or the storage area should be fenced in and lockable.

## **NURSE TANKS** - Up to 3,000 gallons

Decal: On all four sides of tank - the contents must be displayed in at least 4 inch letters - for example ANHYDROUS AMMONIA. The exact contents must be displayed; therefore, CAUTION AMMONIA **is not** correct anymore but the words ANHYDROUS AMMONIA. These must be in a contrasting color.

**Placard:** On all four sides, the appropriate placard must be displayed. For example - anhydrous ammonia's classification is the green placard - NON-FLAMMABLE GAS, (the non-flammable gas universal numerical placard). Aqua ammonia would be CORROSIVE. Acids are CORROSIVE.

**Slow Moving Vehicle Sign:** A slow moving vehicle sign must be displayed on the rear of the trailer, between 2-6 feet above the roadway. State law requires if drawn under 25 miles per hour.

**Reflectors-Clearance Lights:** Current state law requires reflectors **or** clearance lights if the trailer has a width including the load over eighty inches or more. Clearance lights require a rear-red light and front-amber light. Suitable reflectors may be substituted if they are visible up to 300 feet.

**Inhalation Hazard:** By DOT regulations must be displayed in at least 2 inch letters in contrasting color on two opposing sides of the tank. (Must also appear on the storage tanks)

## **Safety Chains:** New Fire Marshal Regulations for Safety Chains are as follows:

In accordance with ASAE S 338.1 or S 338.2 "Safety Chain for Towed Equipment", a safety chain having a minimum tensile strength equal to or greater than the Gross Vehicle Weight ("GVW") of the nurse tank or tanks being towed shall be provided.

In addition, new chains must have an identification tag permanently attached to the chain. The tag must give the tensile strength (in pounds) of the chain or the maximum GVW (in pounds) the chain can safely accommodate.

An existing chain may be approved by the AHJ if written documentation is provided stating that the existing chain meets ASAE S 338.1, S 338.2 or provides a tensile strength equal to or greater than the GVW being towed. Attaching the chain to the nurse tank and to the towing vehicle shall be accomplished in accordance with ASAE S 338.1 or S 338.2.

## **RAILROAD UNLOADING REGULATIONS:**

**Blue Flag Rule:** When unloading a Hazardous Material from a rail car, caution signs must be placed to give warning. The sign must be blue with white lettering, 12 inches by 15 inches, and state either STOP TANK CAR CONNECTED or STOP MEN AT WORK. This sign **must** be displayed when unloading the car.

**Other Rules:** Brakes must be set on wheels and the wheels must be blocked on all cars being unloaded. If it is necessary to discontinue unloading, all connections must be disconnected. Never leave a tank unattended while unloading.

**Leaking Tank Cars:** Tank cars with a leaking condition may not be moved until the unsafe condition has been corrected. In the case of a small leak, movement may be made if a receptacle is attached under the leak to prevent the spread of the liquid over the tracks. Car must be stenciled on both sides in letters **three inches** in size adjacent to the car number "LEAKY TANK. DO NOT LOAD UNTIL REPAIRED". The location of the leak must be identified and marked with the symbol "X" and the owner be immediately notified by telegram of the exact location of the leak.

# DECALS - PLACARDS - SLOW MOVING VEHICLE SIGNS REFLECTORS - MARKINGS - LABELING

## GENERAL INFORMATION

The following brochure displays the various decals, markings, placards and several fertilizer and ag-chemical posters for the use of the industry. THE NEBRASKA AGRI-BUSINESS ASSOCIATION is proud to make these available to you in the hope of fostering a safety program for the industry.

YOU MAY NOW TAKE ADVANTAGE OF THIS OFFER AND ORDER YOUR NEEDS FROM THE THE NEBRASKA AGRI-BUSINESS ASSOCIATION, INC. Please read the enclosed information, check the order list, and SEND IN YOUR ORDER TODAY.

Before you make your decision, please check to see the materials you will need to be in compliance. We have outlined the rules as they apply to fertilizer and ag-chemical dealers.

## DEFINITIONS

**HAZARDOUS MATERIAL:** Substance or material which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety and property when transported in commerce, and which has been so designated. Hazardous Materials which relate to the Fertilizer & Ag-Chemical Industry are the following:

<b>CONTENT:</b>	<b>PLACARD CLASSIFICATION</b>
ANHYDROUS AMMONIA .....	NON-FLAMMABLE GAS
AMMONIA SOLUTION (containing more than 44% ammonia) .....	NON-FLAMMABLE GAS
FERTILIZER AMMONIATING SOLUTION (containing free ammonia and more than 25.3 psig) .....	NON-FLAMMABLE GAS
NITROGEN (pressurized liquid) .....	NON-FLAMMABLE GAS
NITROGEN FERTILIZER SOLUTION (displaying 40 psig at 70 degrees F. and a maximum of 140 psig at 130 degree F.) .....	NON-FLAMMABLE GAS
AMMONIA HYDROXIDE (ammonia solution containing 44% or less ammonia-aqua ammonia) .....	CORROSIVE
PHOSPHORIC ACID .....	CORROSIVE
SULFURIC ACID .....	CORROSIVE
NITRIC ACID (40% or less) .....	CORROSIVE
NITRIC ACID (over 40%) .....	OXIDIZER OR CORROSIVE
AMMONIUM NITRATE FERTILIZER (containing no more than 0.2% carbon) .....	OXIDIZER
POTASSIUM NITRATE .....	OXIDIZER
PROPANE OR LP GAS .....	FLAMMABLE GAS

**NON-FLAMMABLE GAS:** Any compressed gas that is not flammable.




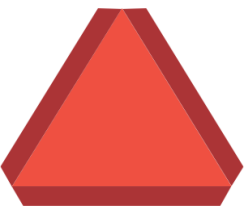



**PLACARD:** A diamond-shaped emblem attached to the container or vehicle transporting a hazardous material.









**OXIDIZER:** Liquid or solid that readily yields oxygen when involved in a fire, thereby accelerating and intensifying the combustion.

**CORROSIVE:** Any liquid or solid that causes destruction of human skin tissue or a liquid that has a severe corrosion rate on steel.

**NAME OF CONTENTS:** The proper shipping name.

## *DECAL PRICE LIST*

ITEM #	DESCRIPTION/SIZE	PRICE		
NF 101	ANHYDROUS AMMONIA Red 4" letters Circular for ends of tank	Member	\$ 2.00	
		Non-Member	\$ 2.25	
NF 102	ANHYDROUS AMMONIA Red 4" letters Rectangular for sides of tank	Member	\$ 1.55	
		Non-Member	\$ 1.80	
NF 103	NONFLAMMABLE GAS PLACARD Green, diamond-shaped placard	Member	\$ 1.35	
		Non-Member	\$ 1.45	
NF 106	SLOW-MOVING VEHICLE SIGN Red triangle sign	Member	\$ 10.00	
		Non-Member	\$ 10.50	
NF 107	RED REFLECTOR Full seal, dust proof (Required by trailers exceeding 80 in.)	Member	\$ 7.50	
		Non-Member	\$ 7.85 (Per Pack of Two)	
NF 107A	AMBER REFLECTOR Full seal, dust proof (Required by trailers exceeding 80 in.)	Member	\$ 7.50	
		Non-Member	\$ 7.85 (Per Pack of Two)	
NF 108	VALVE IDENTIFICATION 7 Stickers: 2 Liquid Valve, 1 Vapor Valve, 1 Relief Valve, 1 Liquid Hose, 1 Vapor Hose, 1 Fixed Liquid Level Gauge	Member	\$ 1.25	
		Non-Member	\$ 1.35	

ITEM #	DESCRIPTION/SIZE	PRICE		
NF 110	ORANGE LIQUID Storage tank valve marking 2 inch orange letters	Member	\$ .85	
		Non-Member	\$ .90	
NF 111	YELLOW VAPOR Storage tank valve marking 2 inch yellow letters	Member	\$ .85	
		Non-Member	\$ .90	
NF 112	EMERGENCY INFORMATION SAFETY RELIEF VALVE INDICATION Safety decal for use on tank trailer	Member	\$ 2.10	
		Non-Member	\$ 2.25	
NF 119	COUPLER TRANSFER DECAL Yellow/black decal Place on tool bar	Member	\$ 1.50	
		Non-Member	\$ 1.65	
NF 121	INHALATION HAZARD DECAL 2 inch green letters	Member	\$ 1.20	
		Non-Member	\$ 1.30	
NF 122	NO SMOKING 2 inch red letters	Member	\$ 1.50	
		Non-Member	\$ 1.75	
NF 123	FIRST AID WATER	Member	\$ .75	
		Non-Member	\$ .85	
NF 124	WEAR YOUR GOGGLES	Member	\$ 1.15	
		Non-Member	\$ 1.25	

ITEM #	DESCRIPTION/SIZE	PRICE			
NF 125	TANK NUMBERS 4 inch black numbers	Member	\$ .60	<b>5</b>	<b>4</b>
		Non-Member	\$ .65	<b>7</b>	<b>6</b>

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NFPA 704 NH3 - 310 (For Storage Tanks)	Member	\$ 5.00
	Non-Member	\$ 5.25



**In May 2014, the Nebraska Agri-Business Association** received information that the State Fire Marshal's Office has begun enforcing a marking standard for anhydrous ammonia storage tanks. According to the standard, "visible hazard identification signs in accordance with NFPA 704 shall be placed on the following:

- 1) Stationary above ground storage tanks.
- 2) Stationary above ground containers.
- 3) At entrances to locations where hazardous materials are stored, dispensed, used or handled in quantities requiring a permit.
- 4) Nurse tanks are not included in this ruling.

The standard is not a new one, but is being enforced by the State Fire Marshal under the NFPA Standards (National Fire Protection Association Codes.) **The signs must be placed on two sides of the storage tanks.**

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Nebraska Agri-Business Association  
**NURSE TANK DECALS**

The Nebraska Agri-Business Association offers you a nurse tank package program where the required markings by law can be purchased as a package. The REQUIRED PACKAGE consists of all the decals and marking required by law in Nebraska. The DELUXE PACKAGE consists of the required decals and markings plus reflectors and valve labeling decals. For a complete list of decals available through the NeABA and individual decal pricing, visit our website at <https://na-ba.com/member-resources/> or call Rebecca Barker at (402) 476-1528.

**REQUIRED PACKAGE**

CONSISTS OF THE FOLLOWING:	PRICE PER PACKAGE						
2 - NF 101    Anhydrous Ammonia for Ends of Tank 2 - NF 102    Anhydrous Ammonia for Sides of Tank 4 - NF 103    Nonflammable Gas Placards 1 - NF 106    Slow-Moving Vehicle Sign 1 - NF 112    Emergency Information Decal 1 - NF 119    Coupler Transfer Decal 2 - NF 121    Inhalation Hazard Decal	<table style="width: 100%; border: none;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%;"><b>Member</b></td> <td style="width: 60%; text-align: right;"><b>\$32.25</b></td> </tr> <tr> <td></td> <td><b>Non-Member</b></td> <td style="text-align: right;"><b>\$33.90</b></td> </tr> </table>		<b>Member</b>	<b>\$32.25</b>		<b>Non-Member</b>	<b>\$33.90</b>
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	<b>Non-Member</b>	<b>\$33.90</b>					

**DELUXE PACKAGE**

CONSISTS OF THE FOLLOWING:	PRICE PER PACKAGE						
2 - NF 101    Anhydrous Ammonia for Ends of Tank 2 - NF 102    Anhydrous Ammonia for Sides of Tank 4 - NF 103    Nonflammable Gas Placards 1 - NF 106    Slow-Moving Vehicle Sign 2 - NF 107    Red Reflectors for Back of Tank 1 - NF 107A    Amber Reflector for Front of Tank 1 - NF 108    Valve Identifications 1 - NF 110    Orange Liquid Decal 1 - NF 111    Yellow Vapor Decal 1 - NF 112    Emergency Information Decal 1 - NF 119    Coupler Transfer Decal 2 - NF 121    Inhalation Hazard Decal	<table style="width: 100%; border: none;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%;"><b>Member</b></td> <td style="width: 60%; text-align: right;"><b>\$33.85</b></td> </tr> <tr> <td></td> <td><b>Non-Member</b></td> <td style="text-align: right;"><b>\$35.55</b></td> </tr> </table>		<b>Member</b>	<b>\$33.85</b>		<b>Non-Member</b>	<b>\$35.55</b>
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	<b>Non-Member</b>	<b>\$35.55</b>					

**STORAGE TANK DECAL REQUIREMENTS**

CONSISTS OF THE FOLLOWING:	PRICE PER PACKAGE						
1 NF - 102    Anhydrous Ammonia for Sides of Tank 1 NF - 110    Orange Liquid Decal 1 NF - 111    Yellow Vapor Decal 2 NF - 121    Inhalation Hazard Dealers Name, Address & Phone Number (NOT included in pkg. price)	<table style="width: 100%; border: none;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%;"><b>Member</b></td> <td style="width: 60%; text-align: right;"><b>\$7.00</b></td> </tr> <tr> <td></td> <td><b>Non-Member</b></td> <td style="text-align: right;"><b>\$7.35</b></td> </tr> </table>		<b>Member</b>	<b>\$7.00</b>		<b>Non-Member</b>	<b>\$7.35</b>
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