



MATIÈRES

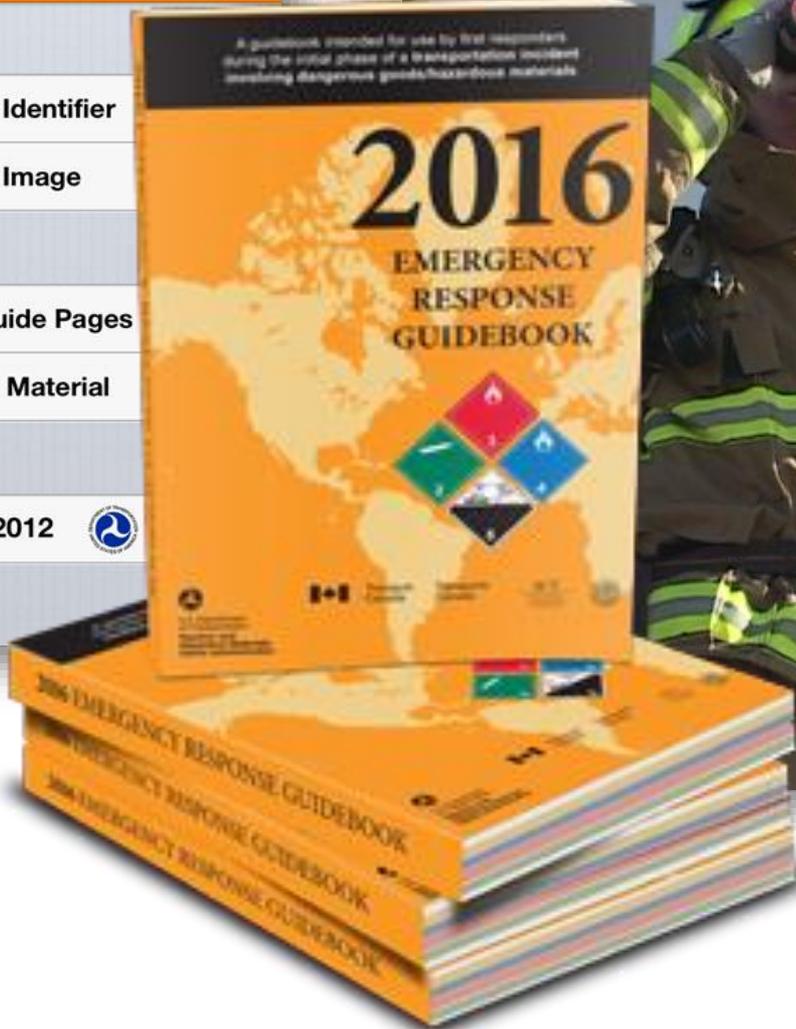
DANGEREUSES

DND Primary Care Paramedicine

Module: 01
Section: 09

- Guide des mesures d'urgences
- Système ANPF 704
- Système général harmonisé de classification et d'étiquetage de produits chimiques
- Système d'information sur les matières dangereuses utilisés au travail.
- Fiche de données de sécurité
- Papier d'envoi
- Canutec

- Contrairement au SMU, les opérations impliquant les matières dangereuse bouge très lentement.
- La sécurité personnelle et celle de la scène sont prioritaires.
- Prenez le temps de vous familiarisez avec la matière dangereuse en question, identifiez les risques et aussi comment les gérer avant d'aller sur scène.



- Guide des mesures d'urgences.
 - Guide développé par Transport Canada, le Département des Transports Américain et le Secrétariat des Transports et Communications du Mexique pour être utilisé par les pompiers, policiers et autres services d'urgence.
 - C'est un guide qui aide les premiers répondants à identifier rapidement la matière dangereuse spécifique ou d'un certains groupes et ainsi à se préparer et aussi le publique durant la phase initiale de l'intervention.

- Information concernant environ 4000 matières chimiques.
- Pas un plan d'action à long terme.
- Inapproprié après 15 minutes.
- Divise les matières en différentes catégories et indique leurs dangers potentiels.

GUIDE 128	FLAMMABLE LIQUIDS (NON-POLAR/WATER-IMMISCIBLE)	ERG2012 ERG2012	FLAMMABLE LIQUIDS (NON-POLAR/WATER-IMMISCIBLE)	GUIDE 128
POTENTIAL HAZARDS		EMERGENCY RESPONSE		
FIRE OR EXPLOSION <ul style="list-style-type: none"> • HIGHLY FLAMMABLE. Will be easily ignited by heat, sparks or flames. • Vapors may form explosive mixtures with air. • Vapors may travel to source of ignition and flash back. • Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). • Vapor explosion hazard indoors, outdoors or in sewers. • Those substances designated with a (P) may polymerize explosively when heated or involved in a fire. • Runoff to sewer may create fire or explosion hazard. • Containers may explode when heated. • Many liquids are lighter than water. • Substance may be transported hot. • For UN195, if lithium ion batteries are involved, also consult GUIDE 547. • If written information is involved, refer to GUIDE 195. 		FIRE <p>CAUTION: AS these products have a very low flash point. Use of water spray when fighting fire may be ineffective.</p> <p>CAUTION: For mixtures containing alcohol or polar solvents, alcohol-resistant foam may be more effective.</p> <p>Small Fire</p> <ul style="list-style-type: none"> • Dry chemical, CO₂, water spray or regular foam. <p>Large Fire</p> <ul style="list-style-type: none"> • Water spray, fog or regular foam. • Do not use straight streams. • Move containers from fire area if you can do it without risk. <p>Fire Involving Tanks or Car Trailer Loads</p> <ul style="list-style-type: none"> • Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. • Cool containers with flooding quantities of water until well after fire is out. • Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. • ALWAYS stay away from tanks engulfed in fire. • For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. 		
HEALTH <ul style="list-style-type: none"> • Irritation or contact with material may irritate or burn skin and eyes. • Fire may produce irritating, corrosive and/or toxic gases. • Vapors may cause dizziness or suffocation. • Runoff from fire control or dilution water may cause pollution. 		<p>SPILL OR LEAK</p> <ul style="list-style-type: none"> • ELIMINATE all ignition sources (no smoking, flames, sparks or flames in immediate area). • All equipment used when handling the product must be grounded. • Do not touch or walk through spilled material. • Stop leak if you can do it without risk. • Prevent entry into waterways, sewers, basements or confined areas. • A vapor suppressing foam may be used to reduce vapors. • Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. • Use clean non-sparking tools to collect absorbed material. <p>Large Spill</p> <ul style="list-style-type: none"> • Dike for ahead of liquid spill for later disposal. • Water spray may reduce vapor, but may not prevent ignition in closed spaces. 		
PUBLIC SAFETY <ul style="list-style-type: none"> • CALL EMERGENCY RESPONSE. Telephone numbers on Shipping Paper lists. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover. • As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. • Keep unauthorized personnel away. • Stay upwind. • Keep out of low areas. • Ventilate closed spaces before entering. 		<p>FIRST AID</p> <ul style="list-style-type: none"> • Move victim to fresh air. • Call 911 or emergency medical services. • Give artificial respiration if victim is not breathing. • Administer oxygen if breathing is difficult. • Remove and isolate contaminated clothing and shoes. • In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. • Wash skin with soap and water. • In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin. • Keep victim warm and quiet. • Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. 		
PROTECTIVE CLOTHING <ul style="list-style-type: none"> • Wear positive pressure self-contained breathing apparatus (SCBA). • Structural firefighters' protective clothing will only provide limited protection. 				
EVACUATION <p>Large Spill</p> <ul style="list-style-type: none"> • Consider initial downwind evacuation for at least 300 meters (1000 feet). <p>Fire</p> <ul style="list-style-type: none"> • If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. 				

- Organisé dans 4 catégories de différentes couleurs.
 - Jaune: Matériel listé par numéro d'identification.
 - Bleu: Matériel listé en ordre alphabétique
 - Orange: Catégories des dangers, catégories feu/explosive, guide initial de dangers a la santé.
 - Vert: Isolation initiale et distances sécuritaire.

- Feux et explosion (extrêmement inflammable)
 - Est-ce que la substance sera inflammer facilement par la chaleur, des étincelles ou des flammes.
 - Est-ce que la substance va former une solution explosive dans l'air.
 - Les vapeurs des gazs liquifiés sont initialement plus lourds que l'air et s'étendent sur le sol, ce qui pourrait les faire voyager vers une source d'inflammation et s'inflammer.
 - Contenant peuvent exploser quand ils sont chauffés ou partir en fusée.

- Santé
 - Les vapeurs peuvent causer de l'étourdissement ou une asphyxiation sans avertissement.
 - Certains peuvent causer une irritation si inspirer en grandes concentrations.
 - Contact avec des gaz ou des gaz liquifier peuvent causer des brulures, des blessures sevéres ou des engelures.
 - Feu peut produire des gaz irritant ou toxic.

- Sécurité Publique.
 - Appelez les numéros de téléphone d'urgences sur le *Shipping paper*.
 - Si le *Shipping paper* n'est pas disponible ou ne réponds pas, référez au numéros appropriés à l'intérieur de l'endos.
 - Isoler la zone de déversement ou les fuites immédiatement pour un radius de 50 à 100 mètres.
 - Gardez le personel non-authorized a l'écart.
 - Restez dos au vents et en hauteurs. Évitez les terrains bas.
 - Plusieurs gazs sont plus lourds que l'air et s'étendront sur le sol et se ramasser dans les endroit confinés et creux. (égouts, sous-sols,..)

- Vêtements de protection.
 - La majorité des situations incluant des matières dangereuse requiert des vêtements et de l'équipement de protections spécialisés.
 - Portez un appareil de respiration isolant ou une protection respiratoire si disponible..
 - Dans la plupart des cas, les travailleurs paramédicaux sont dans la zone froide, soyez toutefois conscient des potentiels de contamination secondaire des patients contaminés dans la zone de transfert

- Isolation initiale, distance de protection des dangers.
 - Grand déversement
 - Considérez l'évacuation initiale sous le vent pour au moins 800 mètres.
 - Feu
 - Si un réservoir, un wagon ou un camion citerne est impliqué, isolez un radius de 1600 mètres. (1 miles)
 - Gazs
 - Haut le vent, en hauteur et jusqu'à 1000m.

- Indique la classification de dangers.
 - Code en couleur
 - Numéros de classe.
- Certain on un numérs UN.
 - Numéro d'Identification spécifique donnés à une matière spécifique.
- L'absence d'affiche n'indique pas l'absence de matières dangeureuse.



- Les vehicules transportant des matieres dangereuses sont exige de porter une affiche d'identification.



Systeme d'etiquetage

- Les paquets et les contenant de rangement doivent être identifiés.

Hazardous Materials Warning Labels

DOMESTIC LABELING						

General Guidelines on Use of Labels
 (CFR, Title 49, Transportation, Parts 100-177)

- Labels illustrated above are normally for domestic shipments. However, some air carriers may require the use of International Civil Aviation Organization (ICAO) labels.
- Domestic Warning Labels may display UN Class Number, Division Number (and Compatibility Group for Explosives only) [Sec. 172.407(g)].
- Any person who offers a hazardous material for transportation MUST label the package, if required [Sec. 172.400(a)].
- The Hazardous Materials Tables, Sec. 172.101 and 172.102, identify the proper label(s) for the hazardous materials listed.
- Label(s), when required, must be printed on or affixed to the surface of the package near the proper shipping name [Sec. 172.406(a)].
- When two or more different labels are required, display them next to each other [Sec. 172.406(c)].
- Labels may be affixed to packages (even when not required by regulations) provided each label represents a hazard of the material in the package [Sec. 172.401].

Check the Appropriate Regulations Domestic or International Shipment

Additional Markings and Labels

HANDLING LABELS

Cargo Aircraft Only
172.402(b)

172.316

172.312(a)(3)

173.25(a)(4)

Fumigation
173.9

173.427

Here are a few additional markings and labels pertaining to the transport of hazardous materials. The section number shown with each item refers to the appropriate section in the HMR. The Hazardous Materials Tables, Section 172.101 and 172.102, identify the proper shipping name, hazard class, identification number, required label(s) and packaging sections.

Poisonous Materials

172.505

172.301

Materials which meet the inhalation toxicity criteria specified in Section 173.3ab(2), have additional "communication standards" prescribed by the HMR. First, the words "Poison-Inhalation Hazard" must be entered on the shipping paper, as required by Section 172.203(k)(4), for any primary capacity units with a capacity greater than one liter. Second, packages of 110 gallons or less capacity must be marked "Inhalation Hazard" in accordance with Section 172.301(a). Lastly, transport vehicles, freight containers and portable tanks subject to the shipping paper requirements contained in Section 172.203(k)(4) must be placarded with POISON placards in addition to the placards required by Section 172.504. For additional information and exceptions to these communication requirements, see the referenced sections in the HMR.

Keep a copy of the Transport Canada Emergency Response Guidebook handy!

FIGURE 3-30A Transport Canada requires packages and storage containers to be marked with specific hazard labels.

- Les affiches doivent être placés a l'extérieur du véhicule.

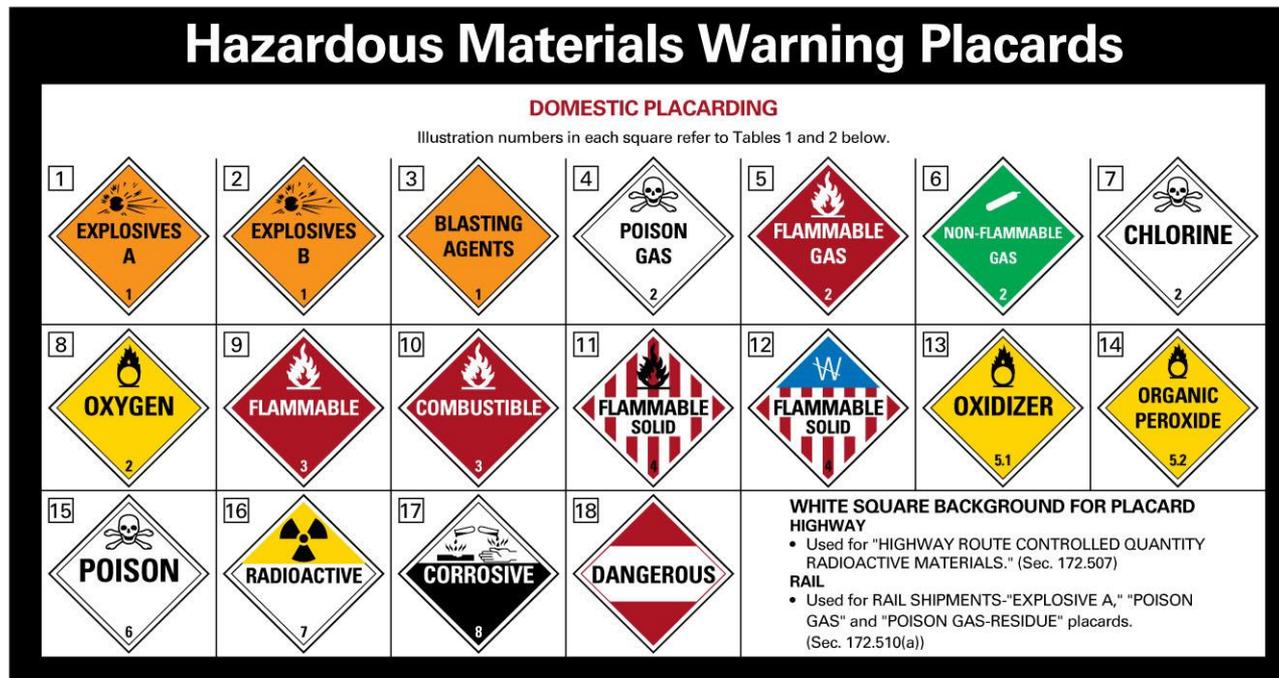


FIGURE 3-30B Transport Canada also requires display placards to be placed on the outside of vehicles.

D.O.T. PLACARD CHART HM-206



- 1 EXPLOSIVES
- 2 GAS
- 3 LIQUID
- 4 SOLID
- 5.1 OXIDIZER
- 5.2 ORGANIC PEROXIDE
- 6 POISON / TOXIC
- 7 RADIOACTIVE
- 8 CORROSIVE
- 9 MISC. DANGEROUS GOODS

CHEMICAL NAME	UN/NA NO.	PLACARD STYLE	HAZARD CLASS OR DIVISION
ACETIC ACID SOLUTION ~80% acid	UN1789	CORROSIVE	8
ACETONE	UN1090	FLAMMABLE LIQUID	3
ACETYLENE, dissolved	UN1051	FLAMMABLE GAS	2.1
ASB, compressed	UN1002	NON-FLAMMABLE GAS	2.2
ASB, refrigerated liquid	UN1053	NON-FLAMMABLE GAS	2.2
ALCOHOL BEVERAGES	UN2005	FLAMMABLE LIQUID	3
ALCOHOLS, N.O.S.	UN1987	FLAMMABLE LIQUID	3
ALCOHOLS, toxic, flammable, N.O.S.	UN1986	FLAMMABLE LIQUID	3
AMMONIA, anhydrous (liquefied)	UN1029	NON-FLAMMABLE GAS	2.2
AMMONIUM NITRATE FERTILIZERS	UN2067	OXIDIZER	5.1
AMMONIUM, practice	UN2029	EXPLOSIVE 1.4	1.4
AMPHIBLES, liquid	UN1983	FLAMMABLE LIQUID	3
ARSENIC ACID, liquid	UN1553	POISON INHAL. HAZ.	6.1
ARSENIC ACID, solid	UN1554	POISON INHAL. HAZ.	6.1
ASPHALT, at or above flash point	NA1909	FLAMMABLE LIQUID	3
BATTERIES, wet, filled with acid	UN2794	CORROSIVE	8
BATTERY FLUID, acid	UN2796	CORROSIVE	8
BENZENE	UN1114	FLAMMABLE LIQUID	3
BLACK POWDER, compressed or pellets	UN0028	EXPLOSIVE	1.1
BLACK POWDER, granule or in a unit	UN0027	EXPLOSIVE	1.1
BUTANE	UN1011	FLAMMABLE GAS	2.1
BUTANOLS	UN1120	FLAMMABLE LIQUID	3
BUTYL ACETATES	UN1123	FLAMMABLE LIQUID	3
CALCIUM	UN1401	DANG. WHEN WET	4.3
CALCIUM CHLORIDE	UN1402	OXIDIZER	5.1
CALCIUM OXIDE	UN1910	CORROSIVE	8
CALCIUM NITRATE	UN1404	OXIDIZER	5.1
CARBON DIOXIDE, refrigerated liquid	UN1017	NON-FLAMMABLE GAS	2.2
CARBON DIOXIDE, solid (dry ice)	UN1845	MISC. DANG. GOODS	9
CARBON MONOXIDE, compressed	UN1016	POISON GAS	2.3
CARBON TETRACHLORIDE	UN1846	POISON INHAL. HAZ.	6.1
CAUSTIC ALKALI LIQUIDS, N.O.S.	UN1719	CORROSIVE	8
CHLORINE	UN1017	POISON GAS	2.3
COAL TAR, distillates	UN1136	FLAMMABLE LIQUID	3
COMBUSTIBLE LIQUID, N.O.S.	NA1983	COMBUSTIBLE LIQUID	3

CHEMICAL NAME	UN/NA NO.	PLACARD STYLE	HAZARD CLASS OR DIVISION
CORROSIVE LIQUID, N.O.S.	UN1789	CORROSIVE	8
CROTYLWYLENE	UN1144	FLAMMABLE LIQUID	3
DENATURED ALCOHOL	NA1987	FLAMMABLE LIQUID	3
DIESEL FUEL	NA1983	FLAMMABLE LIQUID	3
DIPNICTIC ACID, liquid, corrosive, N.O.S.	UN1903	CORROSIVE	8
DISINFECTANTS, solid, toxic, N.O.S.	UN1901	POISON INHAL. HAZ.	6.1
ETHANOL OR ETHYL ALCOHOL	UN1170	FLAMMABLE LIQUID	3
ETHYL METHYL KETONE	UN1193	FLAMMABLE LIQUID	3
FERRIC CHLORIDE, solution	UN2062	CORROSIVE	8
FIRE EXT. CHARGES, corrosive, liquid	UN1774	CORROSIVE	8
FINE EXTINGUISHERS	UN1944	NON-FLAMMABLE GAS	2.2
FLAMMABLE LIQUID, N.O.S.	UN1983	FLAMMABLE LIQUID	3
FORMALDEHYDE SOLUTION ~20%	UN2209	CORROSIVE	8
FUEL, AVIATION TURBINE ENGINE	UN1983	FLAMMABLE LIQUID	3
FUEL OIL, (W, 1, 2, 4, 5, or 16)	NA1983	FLAMMABLE LIQUID	3
GASOLINE	UN1203	FLAMMABLE LIQUID	3
HEATING OIL, light	UN1202	FLAMMABLE LIQUID	3
HELM, compressed	UN1040	NON-FLAMMABLE GAS	2.2
HELM, refrigerated liquid	UN1063	NON-FLAMMABLE GAS	2.2
HEPTANES	UN1206	FLAMMABLE LIQUID	3
HEXANES	UN1208	FLAMMABLE LIQUID	3
HYDROCHLORIC ACID	UN1789	CORROSIVE	8
HYDROFLUORIC ACID	UN1790	CORROSIVE	8
HYDROGEN, compressed	UN1040	FLAMMABLE GAS	2.1
HYDROGEN FLUORIDE, anhydrous	UN1062	CORROSIVE	8
HYDROGEN SULFIDE	UN1963	POISON GAS	2.3
HYPOCHLORITE SOLUTIONS	UN1791	CORROSIVE	8
ISOPROPANOL (ISOPROPYL ALCOHOL)	UN1219	FLAMMABLE LIQUID	3
KEROSENE	UN1223	FLAMMABLE LIQUID	3
LIGHTERS, fueled by gas	UN1987	FLAMMABLE GAS	2.1
LIQUEFIED PETROLEUM GAS (LPG)	UN1075	FLAMMABLE GAS	2.1
MAGNESIUM PEROXIDE	UN1476	OXIDIZER	5.1
METHANE, compressed or sat. gas cong.	UN1971	FLAMMABLE GAS	2.1
METHANE, refrigerated liquid	UN1972	FLAMMABLE GAS	2.1
METHANOL	UN1230	FLAMMABLE LIQUID	3

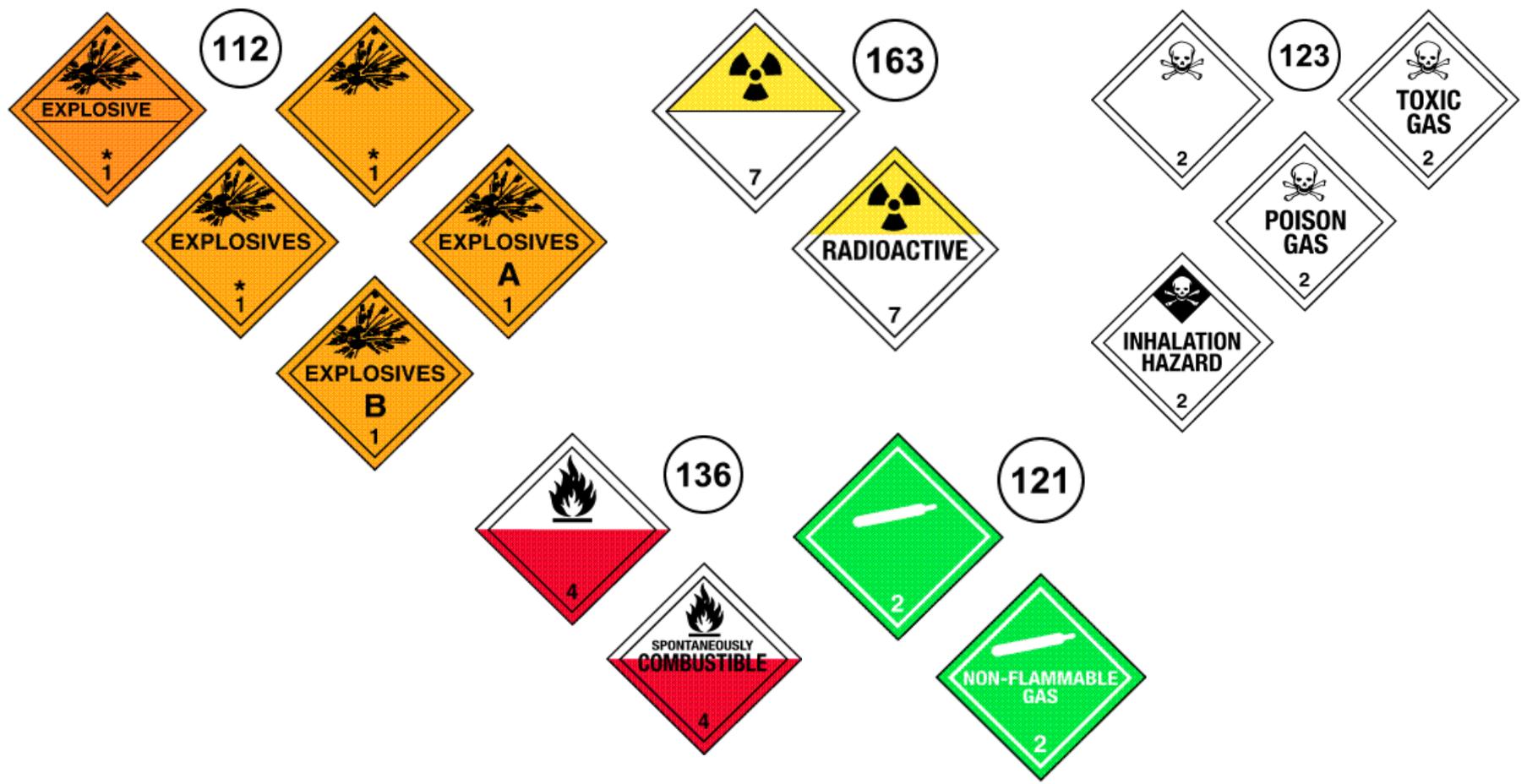
CHEMICAL NAME	UN/NA NO.	PLACARD STYLE	HAZARD CLASS OR DIVISION
METHYL METHYL KETONE	UN1193	FLAMMABLE LIQUID	3
MOOTONE	UN1654	POISON INHAL. HAZ.	6.1
NITRIC ACID	UN2021	CORROSIVE	8
NITROGEN, compressed	UN1066	NON-FLAMMABLE GAS	2.2
NITROGEN, refrigerated liquid	UN1077	NON-FLAMMABLE GAS	2.2
OXYGEN, compressed	UN1072	NON-FLAMMABLE GAS	2.2
OXYGEN, refrigerated liquid	UN1073	NON-FLAMMABLE GAS	2.2
PAINT RELATED MATERIAL	UN1263	FLAMMABLE LIQUID	3
PESTICIDES, liquid, toxic, N.O.S.	UN2052	POISON INHAL. HAZ.	6.1
PESTICIDES, solid, toxic, N.O.S.	UN2058	POISON INHAL. HAZ.	6.1
PETROLEUM CRUISE OIL	NA1270	FLAMMABLE LIQUID	3
PETROLEUM OIL	NA1270	FLAMMABLE LIQUID	3
PHOSPHORIC ACID SOLUTION	UN1905	CORROSIVE	8
POLYCHLORINATED BIPHENYLS, liquid	UN2215	MISC. DANG. GOODS	9
POLYCHLORINATED BIPHENYLS, solid	UN2432	MISC. DANG. GOODS	9
POTASSIUM	UN2257	DANG. WHEN WET	4.3
POTASSIUM HYDROXIDE, solution	UN1914	CORROSIVE	8
PRINTING INK	UN1978	FLAMMABLE LIQUID	3
PROPANE	UN1028	NON-FLAMMABLE GAS	2.2
R12 (DICHLORODIFLUOROMETHANE)	UN1028	NON-FLAMMABLE GAS	2.2
REFRIGERANT GASES, N.O.S.	UN1078	NON-FLAMMABLE GAS	2.2
RESIN SOLUTION	UN1986	FLAMMABLE LIQUID	3
SODIUM HYDROXIDE SOLUTION	UN1924	CORROSIVE	8
SODIUM NITRATE	UN1488	OXIDIZER	5.1
SODIUM PEROXIDE	UN1934	OXIDIZER	5.1
STYRENE MONOMER, inhibited	UN2055	FLAMMABLE LIQUID	3
SULFUR, molten	NA2448	MISC. DANG. GOODS	9
SULFUR DIOXIDE	UN1079	POISON GAS	2.3
SULFURIC ACID, ~91% ACID	UN1830	CORROSIVE	8
SULFURIC ACID, spent	UN1832	CORROSIVE	8
TOLUENE	UN1294	FLAMMABLE LIQUID	3
TRIMETHYLAMINE	UN1296	FLAMMABLE LIQUID	3
TURPENTINE	UN1299	FLAMMABLE LIQUID	3
VINYL ACETATE, inhibited	UN1301	FLAMMABLE LIQUID	3
XYLENES	UN1207	FLAMMABLE LIQUID	3

HAZARD CLASS 1.1	HAZARD CLASS 1.2
COMPATIBILITY GROUP A, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	COMPATIBILITY GROUP E, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

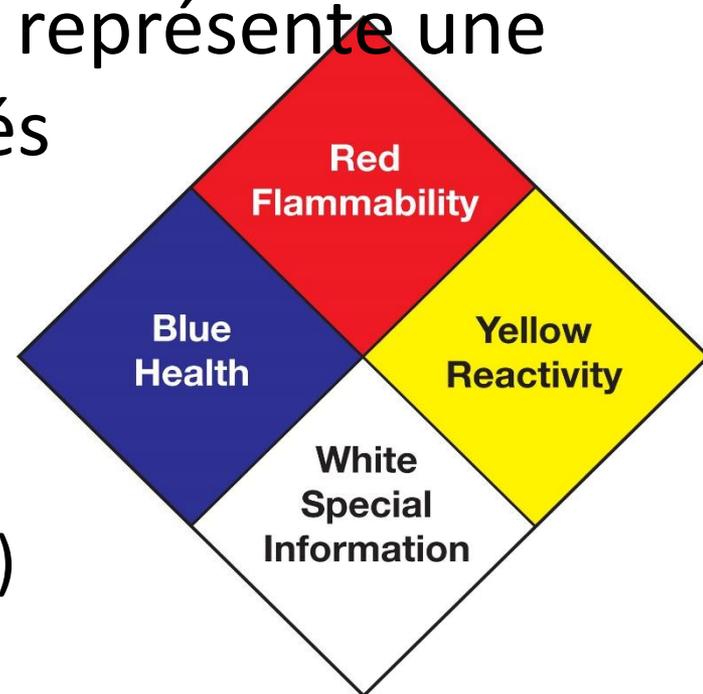
HAZARD CLASS 3	HAZARD CLASS 3	HAZARD CLASS 4	HAZARD CLASS 4	HAZARD CLASS 4	HAZARD CLASS 5	HAZARD CLASS 5	HAZARD CLASS 5	HAZARD CLASS 5	HAZARD CLASS 6	HAZARD CLASS 6
HAZARD CLASS 6	HAZARD CLASS 7	HAZARD CLASS 8	HAZARD CLASS 9	HAZARD CLASS 2	HAZARD CLASS 3	HAZARD CLASS 3				
HAZARD CLASS 4	HAZARD CLASS 4	HAZARD CLASS 5	HAZARD CLASS 5	HAZARD CLASS 5	HAZARD CLASS 6	HAZARD CLASS 6	HAZARD CLASS 8	HAZARD CLASS 9	ELEVATED TEMPERATURE	MIXED LOADS

PLEASE NOTE: WHILE THE INFORMATION PRESENTED HERE IS BELIEVED TO BE ACCURATE AND IN COMPLIANCE WITH PRESENT D.O.T. FEDERAL REGISTER HM-206 PLACARD STANDARDS, WE ASSUME NO RESPONSIBILITY FOR THE ACCURACY, COMPLETENESS OR SUITABILITY OF ITS END USE. ©2006 S&S

1. Explosifs
2. Gazs
3. Liquides inflammables
4. Solides inflammable.
5. Oxidation.
6. Poison
7. Radioactive
8. Corrosives
9. Matières dangereuses divers



- Identifie les matières dangereuse à un site fixe.
- Systeme est fabriqué pour L'utilisation à un endroit fixe.
- Chaque couleurs du diamant représente une catégories avec des propriétés
 - Rouge (Combustion)
 - Blue (Dangers à la santé)
 - Yellow (Reactivité)
 - White (information spécifique)



QUICK REFERENCE TO NFPA 704 IDENTIFICATION SYSTEM

FIRE HAZARDS

- (This square is color-coded red.)
- 4 Extremely flammable
 - 3 Ignites at normal temperature
 - 2 Ignites when moderately heated
 - 1 Must be preheated to burn
 - 0 Will not burn

HEALTH HAZARDS

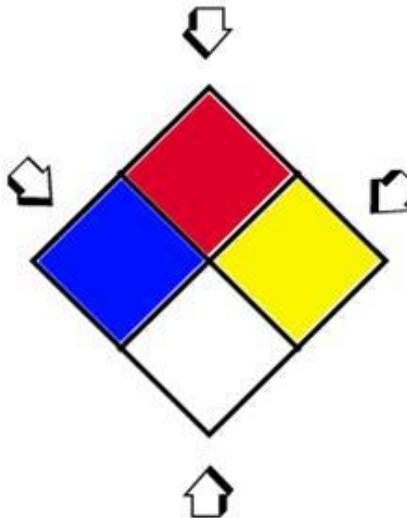
- (This square is color-coded blue.)
- 4 Too dangerous to enter -- vapor or liquid
 - 3 Extremely dangerous -- use full protective clothing
 - 2 Hazardous -- use breathing apparatus
 - 1 Slightly hazardous
 - 0 Like ordinary material

REACTIVITY (STABILITY) HAZARDS

- (This square is color-coded yellow.)
- 4 May detonate -- evacuate area if materials are exposed to fire
 - 3 Strong shock or heat may detonate -- use monitors
 - 2 Violent chemical change possible -- use hose from distance
 - 1 Unstable if heated -- use normal precaution
 - 0 Normally stable

SPECIAL HAZARDS

- (This square is color-coded white.)
- | | |
|------|--------------|
| OXY | Oxidizer |
| ACID | Acid |
| ALK | Alkali |
| COR | Corrosive |
| W | Use NO WATER |



- Canada à aussi adopté le Systeme général harmonisé de classification et d'étiquetage de produits chimiques
- Ne remplacera pas le Systeme d'information sur les matières dangereuses utilisés au travail mais mettra à jours les suivant:
 - Pictogrammes
 - Étiquettes
 - Fiche de données de sécurité
 - Exigences de classification.



- Helping regulatory alignment with other countries and to help standardize the information



- La plupart des pictogrammes ont une bordure rouge.
- À l'intérieur de cette bordure se trouve un symbole qui représente le danger potentiel.

	Exploding bomb (for explosion or reactivity hazards)		Flame (for fire hazards)		Flame over circle (for oxidizing hazards)
	Gas cylinder (for gases under pressure)		Corrosion (for corrosive damage to metals, as well as skin, eyes)		Skull and Crossbones (can cause death or toxicity with short exposure to small amounts)
	Health hazard (may cause or suspected of causing serious health effects)		Exclamation mark (may cause less serious health effects or damage the ozone layer*)		Environment* (may cause damage to the aquatic environment)
	Biohazardous Infectious Materials (for organisms or toxins that can cause diseases in people or animals)				

* The GHS system also defines an Environmental hazards group. This group (and its classes) was not adopted in WHMIS 2015. However, you may see the environmental classes listed on labels and Safety Data Sheets (SDSs). Including information about environmental hazards is allowed by WHMIS 2015.

From this:

Canada Workplace



EU Workplace, Consumer



Transportation



Canada Consumer



To this:



Transportation



Workplace

- Système d'information sur les matières dangereuses utilisés au travail applique 2 groupes majeurs de dangers.
- Chaque groupe inclues les classes de dangers qui ont des propriétés spécifiques de dangers.
- Groupes de dangers.
 - Dangers physique
 - Dangers à la santé

- Gazs inflammable
- Aérosols inflammables
- Gazs oxidant
- Gazs sous préssion.
- Liquides inflammables.
- Solides inflammables.
- Les substances et mélanges auto-réactifs.
- Liquides pyrophorique
- Solides pyrophorique
- Substances et mélanges auto-chauffant.
- Substances et mélanges qui émette des gaz infalmmable quand mélangés avec H₂O
- Liquides oxidants
- Solides oxidants
- Peroxide organique
- Corrosif au métaux.
- Poussière inflammable.
- Asphyxiants simples
- Gazs pyrophoriques
- Dangers physiques non classifiés autrement.

- Toxicité aiguë
- Corrosion/irritation de la peau
- Dommages sérieux aux yeux/ irritation des yeux
- Sensitivité respiratoire ou de la peau.
- Mutation des germes.
- Carcinogenité
- Toxicité reproductive
- Toxicité spécifique d'un organe – exposition unique.
- Toxicité spécifique d'un organe- exposition répétée.
- Dangers d'asphyxiation.
- Matériels d'infections biologiques.
- Dangers à la santé non-classifiés.

- Système d'information sur les matières dangereuses utilisés au travail est le standard de communications national au Canada.
- Les éléments-clés du système sont les étiquettes de prudence du contenant SIMDUT “produits contrôlés”, Fiche de données de sécurité et l'éducation du travailleurs.

MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: 01/16/13

I. General Information

CHEMICAL NAME & SYNONYM:		TRADE NAME:	PET URINE NEUTRALIZER
CHEMICAL FAMILY:	Synthetic Detergent	FORMULA:	Proprietary
PROPER DOT SHIPPING NAME:	Cleaning Compound, Liquid	DOT HAZARD CLASSIFICATION:	None
SUPPLIER:	ZEOFILL INC. 9241 7TH AVE Hesperia, Ca 92345	SUPPLIER'S PHONE NUMBER:	1-888-926-4785
		24-HOUR EMERGENCY PHONE NUMBER:	1-800-535-5053

II. Ingredients

PRINCIPAL COMPONENTS	CAS #	THRESHOLD LIMIT VALUE (UNITS)
MUTANT BACTERIA STRAIN	N/A	N/A
NONIONIC SURFACTANT	90-164-59	N/A
WATER	7732-18-5	N/A
OPACIFIER	N/A	N/A
FRAGRANCE	N/A	N/A

III. Physical Data

BOILING POINT (°F):	212°F	SPECIFIC GRAVITY (H₂O=1):	1.0
VAPOR PRESSURE (MM HG):	N/A	PERCENT VOLATILE (%):	~100.0
VAPOR DENSITY (AIR=1):	>1	EVAPORATION RATE (WATER = 1):	<1
SOLUBILITY IN WATER:	Complete	pH:	7
APPEARANCE AND ODOR: Opaque white liquid with characteristic odor			

IV. Fire & Explosion Hazard Data

FLASH POINT (TEST METHOD):	NONE (TCC)	LOWER EXPLOSIVE LIMIT (LEL):	N/A
AUTO IGNITION TEMPERATURE:	NONE	UPPER EXPLOSIVE LIMIT (UEL):	N/A
EXTINGUISHING MEDIA:	Water, Dry Chemical, CO ₂		
SPECIAL FIRE FIGHTING PROCEDURES:	NONE		
UNUSUAL FIRE & EXPLOSION HAZARDS:	NONE		

V. Health Hazard Data

OSHA-ACGIH THRESHOLD LIMIT VALUE:	N/A	CARCINOGEN - IARC PROGRAM:	None
CARCINOGEN -NTP PROGRAM:	None		
SYMPTOMS OF EXPOSURE:	Skin & Eye Irritation		
Medical Conditions Aggravated by Exposure:	None		
PRIMARY ROUTES OF ENTRY:	Skin, Eyes, Nose, Mouth		
EMERGENCY FIRST AID:			
Skin:	Flush with water. See a physician.		
Eyes:	Flush with water for 15 minutes. See a physician.		
Ingestion:	Give large amounts of water. See a physician.		
Inhalation:	Remove to fresh air.		

VI. Reactivity Data

STABILITY:	UNSTABLE	<input checked="" type="checkbox"/>	STABLE
INCOMPATIBILITY-Material to Avoid:	NONE		
HAZARDOUS POLYMERIZATION:	MAY OCCUR	<input checked="" type="checkbox"/>	WILL NOT OCCUR
HAZARDOUS DECOMPOSITION PRODUCTS:	NONE		
CONDITIONS TO AVOID: None			

VII. Environmental Protection Procedures

SPILL RESPONSE:	Contain Spill. Soak up in an absorbant material. Flush area with water.
WASTE DISPOSAL METHOD:	In accordance with Federal, State and Local regulations.

VIII. Special Protection Information

EYE PROTECTION:	Splash Goggles	SKIN PROTECTION:	
RESPIRATORY PROTECTION:	None Required	VENTILATION RECOMMENDED:	Local Exhaust
OTHER PRECAUTIONS:	None		

IX. Special Precautions

HYGIENIC PRACTICES IN HANDLING & STORAGE:	Avoid Skin or Eye contact.
PRECAUTIONS FOR REPAIR & MAINTENANCE OF CONTAMINATED EQUIPMENT:	Flush with water and allow to air dry.
OTHER PRECAUTIONS:	None

- Contient de l'information au sujet de:
 - Composition chimique
 - Propriétés physiques et chimiques.
 - Dangers sur la sécurité et la santé.
 - Reponse d'urgence.
 - Disposition des déchets.

1. Identification du produit
2. Identification du dangers.
3. Composition/ingrédients.
4. Premiers soins.
5. Mesures anti-incendie.
6. Mesures de libération accidentelle
7. Manipulation et entrepôt.
8. Contrôle d'exposition/ protection personnelle.
9. Propriétés physiques et chimiques.
10. Stabilité and reactivité
11. Information toxicologique
12. Information écologique.
13. Considération de disposition
14. Information de transport
15. Information de régulation
16. Autres informations

Note: Au Canada, le fournisseur possède le droit de pas fournir l'information de la section 12-15.

- Papiers d'envoi.
 - Noms, adresse de l'expéditeur et du destinataire.
 - Quantité de produits chimiques, poids des paquets.
 - Facture d'attestation
 - Facture
 - Manifeste
 - Facture d'air

- Les documents d'envoi (papiers) sont synonymes et peuvent être retrouvé :
 - Route – gardé dans la cabine du véhicule.
 - Train – gardé dans la possession d'un membre de l'équipe.
 - Aviation – Gardé dans la possession du pilote.
 - Marine – Garder dans un contenant sur le pont du vaisseau.
- Les documents d'envoi contiennent l'information essentielle sur les matières dangereuse à bord pour initier les actions de sécurité.

- Information fourni:
 - Numéro à 4 chiffre, UN ou NA (Pages jaunes)
 - Nom d'envoi correct (Pages bleues)
 - Classe de dangers ou numéro de division.
 - Groupe d'emballage
 - Numéro de téléphone des repondants d'urgence
 - Information décrivant les dangers du matériel (écrit sur ou attache aux documents d'envoi)



1219

EMERGENCY CONTACT 1-000-000-0000		EXAMPLE OF EMERGENCY RESPONSE TELEPHONE NUMBER	
NO. & TYPE OF PACKAGES	DESCRIPTION OF ARTICLES	HAZARD CLASS OR DIVISION NO.	QUANTITY
1 TANK TRUCK	ISOPROPANOL	3 UN1219	II 3,000 LITERS
	SHIPPING NAME	ID NUMBER	PACKING GROUP

Facture d'atterrissage

STRAIGHT BILL OF LADING ORIGINAL - NOT NEGOTIABLE		BOL/Reference No. RSI82715
CARRIER: NORFOLK SOUTHERN		Date: 12/23/2008
Shipper: RSI LOGISTICS, INC (OKEMOS, MI US)		
<p>The property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, counted, and destined as indicated below, each said carrier (the word carrier being understood throughout this contract as meaning any person or person in possession of the property under the contract) agree to carry to its usual place of delivery and destination, if an Interstate, otherwise to deliver to another carrier on the route to its destination. It is mutually agreed, also each carrier of all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.</p> <p>Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.</p>		
Consignee Information: CONSIGNEE DEER PARK, TX Address: City: DEER PARK, TX US		
Route: NS-ESTL-BNSF		
Origin Switch Route:		
Destination Switch Route: HUSTN-PTRA		Rail Car No: GATX290861
For assistance in any transportation emergency involving chemicals, phone CHEMTREC, day or night, Toll Free 1-800-424-9300		
DESCRIPTION		*WEIGHT
ONE TANK CAR	Contains: Methyl Esters STCC#2899415 BIODIESEL-15, Biodiesel Sales Order Contract No: RSI82715 Sales Order Contract No: AAT122308-4 Purchase Order Contract No: AAT122308-4	(Sub. To Correction) 204400 Lbs.
SEAL NUMBERS:	Gross	
	Tare	
	Net	
	Weighed By: _____	
If charges are to be prepaid, write or stamp here, "To be Prepaid" Prepaid		
Subject to Section 7 of the conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.		
Not In Effect		
* This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.		

- Document d'envoi pour la route, situés dans la cabine du véhicule.



- Une facture d'air: Document d'envoi pour le transport aérien. Gardé dans la cabine du pilote.



ABF 80 - WHSE. NO. 05450 (2-91) APPERSON PRINT MANAGEMENT SERVICES TO REORDER CALL: 1(800) 438-0162

NO.

AIR WAYBILL NON-NEGOTIABLE

DATE SHIPPED	AIRLINE AWB	CHARGES - CHECK ONE				DECLARED VALUE	DEST.	SVC.	INSURANCE VALUE
		PREPAID <input type="checkbox"/>	COLLECT <input type="checkbox"/>	OTHER <input type="checkbox"/>	See BR To				
SHIPPER		CONSIGNEE					POINT OF ORIGIN		
STREET		STREET					POINT OF DESTINATION		
CITY		CITY					PREPAID COLLECT		
STATE		ZIP		STATE		ZIP		FREIGHT CHARGES	
BILL TO: (IF OTHER THAN SHIPPER OR CONSIGNEE)		SHIPPER'S REFERENCE NO.					PICK UP		
QUANTITIES		DESCRIPTION		WEIGHT	L	W	H	RATE	DELIVERY
WEIGHT SUBJECT TO CORRECTION		INCHES		CUBIC WEIGHT		EXCESS VALUE OR INSURANCE			
INSTRUCTIONS:		OTHER							ADVANCES ORIGIN
AUTHORIZED BY: <input checked="" type="checkbox"/> SHIPPER'S DOOR <input type="checkbox"/> CARRIER'S TERMINAL		PER		SHIPPER NO.		ADVANCES DESTINATION			
RECEIVED BY: <input type="checkbox"/> SHIPPER'S DOOR <input type="checkbox"/> CARRIER'S TERMINAL		TIME		NO. OF SHIPMENTS THIS STOP		C.O.D. FEE			
DATE		SHIPPER'S C.O.D.							TOTAL CHARGES

IT IS THE SHIPPER'S RESPONSIBILITY TO COMPLETE THIS AIRBILL ACCURATELY. THE SHIPPER IS RESPONSIBLE FOR THE WEIGHT AND DIMENSIONS OF THE SHIPMENT. THE SHIPPER IS RESPONSIBLE FOR THE CLASSIFICATION OF THE SHIPMENT. THE SHIPPER IS RESPONSIBLE FOR THE PAYMENT OF THE FREIGHT CHARGES. THE SHIPPER IS RESPONSIBLE FOR THE PAYMENT OF THE INSURANCE CHARGES. THE SHIPPER IS RESPONSIBLE FOR THE PAYMENT OF THE C.O.D. FEE. THE SHIPPER IS RESPONSIBLE FOR THE PAYMENT OF THE SHIPPER'S C.O.D. FEE. THE SHIPPER IS RESPONSIBLE FOR THE PAYMENT OF THE TOTAL CHARGES. THE SHIPPER IS RESPONSIBLE FOR THE PAYMENT OF THE TOTAL CHARGES. THE SHIPPER IS RESPONSIBLE FOR THE PAYMENT OF THE TOTAL CHARGES.

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- Centre Canadien du Transport d'urgence.
- Opéré par la direction des Transport des Matières Dangereuses de Transport Canada.
- Le mandat global est de promouvoir la sécurité publique dans la transportation de matières dangereuses dans tout les modes.

- Dans l'éventualité d'une urgence impliquant des matières dangereuses, CANUTEC doit être contacté (par les pompiers, centre de disposition ou ambulance dépendant de la nature de la scène)

613-996-6666

*666 sur téléphone cellulaire

- Quand tu rencontres des scènes comme ceux-ci, rappelez-vous de votre sécurité personnelle et de prendre le temps de vous informer sur la matière impliquée.

