

# PRONTO BREAK CLEANER 55 GALLON DRUM

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 08/31/2017

Supersedes:09/04/2015

Version: 1.2

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form	: Substance
Trade name	: PRONTO BREAK CLEANER 55 GALLON DRUM
CAS No	: 127-18-4
Product code	: 817255
Formula	: C2Cl4
Synonyms	: 1,1,2,2-tetrachloroethene / 1,1,2,2-tetrachloroethylene / Al3-01860 / ankilostin / antasil 1 / antisol / antisol 1 / carbonbichloride / carbondichloride / cecolene 2 / dee-solv / didakene / dowper / ENT 1860 / ethene, tetrachloro- / ethylene tetrachloride / ethyleneperchloride / fedal-un / freon 1110 / nema / PCE (=perchloroethylene) / PER / perawin / perc / perchlor / perchloroethylene / perchloroethylene golden CS / perclene / perclene D / perclosolv / percosolve / perk / perlone / perluxe / persec / R1110 / spectranal / TCE / tetlen / tetracap / tetrachloroethylene / tetrachloroethene / Tetrachloroethylene / tetraguer / tetraleno / tetralex / tetravec / tetroguer / tetrophil
Other means of identification	: Not for sale or use in California or New Jersey.

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture	: Brake Cleaner
------------------------------	-----------------

#### 1.3. Details of the supplier of the safety data sheet

National Pronto Association  
2601 Heritage Ave  
Grapevine, TX 76051  
T 817-430-9449

#### 1.4. Emergency telephone number

Emergency number : CHEMTRAC 24 Hour 1-800-424-9300, 1-703-527-3887 (International)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Acute Tox. 4 (Inhalation) H332  
Skin Irrit. 2 H315  
Carc. 1B H350  
Aquatic Chronic 2 H411

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



: Danger

- : H315 - Causes skin irritation  
H332 - Harmful if inhaled  
H350 - May cause cancer  
H411 - Toxic to aquatic life with long lasting effects
- Precautionary statements (GHS-US)
- : P201 - Obtain special instructions  
P202 - Do not handle until all safety precautions have been read and understood  
P261 - Avoid breathing dust,fume,gas,mist,vapor spray  
P264 - Wash affected areas thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P273 - Avoid release to the environment  
P280 - Wear protective gloves,protective clothing,eye protection,face protection  
P302+P352 - If on skin: Wash with plenty of soap and water  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P312 - Call a POISON CONTROL CENTER, doctor, if you feel unwell.  
P321 - Specific treatment: See section 4.1 on SDS  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse

# PRONTO BREAK CLEANER 55 GALLON DRUM

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P391 - Collect spillage  
P405 - Store locked up  
P501 - Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

### 2.4. Unknown acute toxicity (GHS US)

No data available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Name	Product identifier	%	GHS-US classification
Tetrachloroethylene (Main constituent)	(CAS No) 127-18-4	100	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Carc. 1B, H350 Aquatic Chronic 2, H411

Full text of H-phrases: see section 16

### 3.2. Mixtures

Not applicable

The exact percentage is a trade secret.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general

: Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital. Never give alcohol to drink.

First-aid measures after inhalation

: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact

: Rinse with water. Soap may be used. Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists.

First-aid measures after eye contact

: Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

First-aid measures after ingestion

: Rinse mouth with water. Do not induce vomiting. Give activated charcoal. Call Poison Information Centre ([www.big.be/antigif.htm](http://www.big.be/antigif.htm)). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries

: May cause cancer.

Symptoms/injuries after inhalation

: Central nervous system depression. Dizziness. Feeling of weakness. Headache. Nausea. Narcosis. Drunkenness. EXPOSURE TO HIGH CONCENTRATIONS: Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Coordination disorders. Disturbances of consciousness. Disturbances of heart rate. Possible laryngeal spasm/oedema. Risk of lung oedema. Respiratory difficulties. Decreased renal function.

Symptoms/injuries after skin contact

: Slight irritation. ON CONTINUOUS EXPOSURE/CONTACT: Blisters.

Symptoms/injuries after eye contact

: Slight irritation. EXPOSURE TO HIGH CONCENTRATIONS: Visual disturbances.

Symptoms/injuries after ingestion

: Risk of aspiration pneumonia. Vomiting. Nausea. AFTER ABSORPTION OF HIGH QUANTITIES: Central nervous system depression. Symptoms similar to those listed under inhalation.

Chronic symptoms

: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Skin rash/inflammation. Enlargement/affection of the liver. Affection of the renal tissue. Possible bladder tumours.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media

: EXTINGUISHING MEDIA FOR SURROUNDING FIRES: Adapt extinguishing media to the environment.

Unsuitable extinguishing media

: Solid water jet ineffective as extinguishing medium.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard

: DIRECT FIRE HAZARD. Non combustible.

# PRONTO BREAK CLEANER 55 GALLON DRUM

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Explosion hazard	: DIRECT EXPLOSION HAZARD. No data available on direct explosion hazard. INDIRECT EXPLOSION HAZARD. Reactions with explosion hazards: see "Reactivity Hazard".
Reactivity	: Unstabilized product decomposes on exposure to light, on exposure to air and on exposure to water (moisture): release of toxic and corrosive gases/vapours, phosgene, hydrogen chloride. On heating/burning: release of toxic and corrosive gases/vapours (phosgene, chlorine, hydrogen chloride, carbon monoxide - carbon dioxide). Reacts violently with (some) acids/bases. Violent to explosive reaction with (strong) oxidizers. Violent to explosive reaction with (some) metal powders. This reaction is accelerated on exposure to water (moisture).

### 5.3. Advice for firefighters

Precautionary measures fire	: Exposure to fire/heat: consider evacuation.
Firefighting instructions	: Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Dilute toxic gases with water spray. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.
Protection during firefighting	: Heat/fire exposure: compressed air/oxygen apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources.
------------------	----------------------------

#### 6.1.1. For non-emergency personnel

Protective equipment	: Gloves. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. Large spills/in enclosed spaces: gas-tight suit. See "Material-Handling" to select protective clothing.
Emergency procedures	: Keep upwind. Mark the danger area. Seal off low-lying areas. Close doors and windows of adjacent premises. No naked flames. Keep containers closed. Wash contaminated clothes. Large spills/in confined spaces: consider evacuation. In case of reactivity hazard: consider evacuation.

#### 6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

### 6.2. Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers.

### 6.3. Methods and material for containment and cleaning up

For containment	: Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute narcotic gases/vapours with water spray. Dilute toxic gases/vapours with water spray. Take account of toxic/corrosive precipitation water.
Methods for cleaning up	: Take up liquid spill into absorbent material, e.g.: kieselguhr, powdered limestone or dry sand/earth. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Carefully collect the spill/leftovers. Damaged/cooled tanks must be emptied. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Keep away from naked flames/heat. Observe strict hygiene. Keep container tightly closed. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.
Hygiene measures	: Wash affected areas thoroughly after handling. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.

# PRONTO BREAK CLEANER 55 GALLON DRUM

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Heat-ignition	: KEEP SUBSTANCE AWAY FROM: heat sources.
Information on mixed storage	: KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. (strong) bases. metals.
Storage area	: Store in a cool area. Store in a dry area. Store in a dark area. Ventilation at floor level. Keep locked up. Provide for a tub to collect spills. Meet the legal requirements.
Special rules on packaging	: SPECIAL REQUIREMENTS: hermetical. dry. clean. opaque. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
Packaging materials	: SUITABLE MATERIAL: steel. stainless steel. synthetic material. glass. MATERIAL TO AVOID: aluminium. iron. zinc. copper.

### 7.3. Specific end use(s)

Follow Label Directions.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

PRONTO BREAK CLEANER 55 GALLON DRUM (127-18-4)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	170 mg/m <sup>3</sup>
USA ACGIH	ACGIH TWA (ppm)	25 ppm (Tetrachloroethylene (Perchloroethylene); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
USA ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	685 mg/m <sup>3</sup>
USA ACGIH	ACGIH STEL (ppm)	100 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	200 ppm

### 8.2. Exposure controls

Appropriate engineering controls : Local exhaust ventilation, vent hoods . Ensure good ventilation of the work station.

Personal protective equipment : Gloves. Safety glasses. Avoid all unnecessary exposure.



Materials for protective clothing : GIVE EXCELLENT RESISTANCE: No data available. GIVE GOOD RESISTANCE: PVA. tetrafluoroethylene. viton. nitrile rubber. GIVE LESS RESISTANCE: butyl rubber. natural rubber. neoprene. polyethylene. PVC. GIVE POOR RESISTANCE: No data available.

Hand protection : Gloves.

Eye protection : Safety glasses.

Skin and body protection : Protective clothing.

Respiratory protection : Wear gas mask with filter type A if conc. in air > exposure limit.

Environmental exposure controls : Avoid release to the environment.

Consumer exposure controls : Avoid contact during pregnancy/while nursing.

Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Molecular mass	: 165.83 g/mol
Color	: Colourless.
Odor	: Sweet odour. Ether-like odour.
Odor threshold	: 2.0 - 71 ppm
pH	: 6.8 - 8.4
Relative evaporation rate (butyl acetate=1)	: 1.5
Relative evaporation rate (ether=1)	: 8
Melting point	: -22 °C
Freezing point	: No data available
Boiling point	: 121 °C
Flash point	: Not applicable
Critical temperature	: 347 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: > 150 °C

# PRONTO BREAK CLEANER 55 GALLON DRUM

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Flammability (solid, gas)	: No data available
Vapor pressure	: 19 hPa (20 °C)
Vapor pressure at 50 °C	: 82 hPa (50 °C)
Relative vapor density at 20 °C	: 5.8
Relative density	: 1.6
Relative density of saturated gas/air mixture	: 1.1
Specific gravity / density	: 1623 kg/m³
Solubility	: Insoluble in water. Substance sinks in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Soluble in tetrachloromethane. Soluble in hexane. Soluble in oils/fats. Water: 0.015 g/100ml Ethanol: soluble Ether: soluble Acetone: > 10 g/100ml
Log Pow	: 3.4 (Experimental value; 2.53; Experimental value; Equivalent or similar to OECD 107; 23 °C)
Log Kow	: No data available
Viscosity, kinematic	: 0.9 cSt @ 20 deg C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

### 9.2. Other information

Saturation concentration	: 127 g/m³
VOC content	: 100 % VOC Exempt
Other properties	: Gas/vapour heavier than air at 20°C. Clear. Volatile. No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Unstabilized product decomposes on exposure to light, on exposure to air and on exposure to water (moisture): release of toxic and corrosive gases/vapours, phosgene, hydrogen chloride. On heating/burning: release of toxic and corrosive gases/vapours (phosgene, chlorine, hydrogen chloride, carbon monoxide - carbon dioxide). Reacts violently with (some) acids/bases. Violent to explosive reaction with (strong) oxidizers. Violent to explosive reaction with (some) metal powders. This reaction is accelerated on exposure to water (moisture).

### 10.2. Chemical stability

Unstable on exposure to light.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Inhalation: Harmful if inhaled.

PRONTO BREAK CLEANER 55 GALLON DRUM ( f )127-18-4	
LD50 oral rat	2629 mg/kg
LD50 dermal rabbit	> 3000 mg/kg (Rabbit; Literature study; >10000 mg/kg bodyweight; Rabbit; Experimental value)
LC50 inhalation rat (ppm)	3786 ppm/4h

Skin corrosion/irritation : Causes skin irritation.

pH: 6.8 - 8.4

Serious eye damage/irritation : Not classified

pH: 6.8 - 8.4

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified Based on available data, the classification criteria are not met

Carcinogenicity : May cause cancer.

# PRONTO BREAK CLEANER 55 GALLON DRUM

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: Central nervous system depression. Dizziness. Feeling of weakness. Headache. Nausea. Narcosis. Drunkenness. EXPOSURE TO HIGH CONCENTRATIONS: Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Coordination disorders. Disturbances of consciousness. Disturbances of heart rate. Possible laryngeal spasm/oedema. Risk of lung oedema. Respiratory difficulties. Decreased renal function.
Symptoms/injuries after skin contact	: Slight irritation. ON CONTINUOUS EXPOSURE/CONTACT: Blisters.
Symptoms/injuries after eye contact	: Slight irritation. EXPOSURE TO HIGH CONCENTRATIONS: Visual disturbances.
Symptoms/injuries after ingestion	: Risk of aspiration pneumonia. Vomiting. Nausea. AFTER ABSORPTION OF HIGH QUANTITIES: Central nervous system depression. Symptoms similar to those listed under inhalation.
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Red skin. Dry skin. Skin rash/inflammation. Enlargement/affection of the liver. Affection of the renal tissue. Possible bladder tumours.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Dangerous for the environment.
Ecology - air	: Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009). Not included in the list of fluorinated greenhouse gases (Regulation (EC) No 842/2006). TA-Luft Klasse 5.2.5/l.
Ecology - water	: Ground water pollutant. Toxic to fishes. Toxic to invertebrates (Daphnia). Toxic to algae. Slightly harmful to bacteria (EC50: 100 - 1000 mg/l). Not harmful to activated sludge.

#### PRONTO BREAK CLEANER 55 GALLON DRUM (127-18-4)

EC50 Daphnia 1	8.5 mg/l (EC50; ASTM; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	3.64 mg/l (EC50; Other; 72 h; Chlamydomonas angulosa; Fresh water)

### 12.2. Persistence and degradability

#### PRONTO BREAK CLEANER 55 GALLON DRUM (127-18-4)

Persistence and degradability	Not readily biodegradable in water. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	0.06 g O <sub>2</sub> /g substance
ThOD	0.39 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.15

### 12.3. Bioaccumulative potential

#### PRONTO BREAK CLEANER 55 GALLON DRUM (127-18-4)

BCF fish 2	25.8 - 77.1 (BCF; 8 weeks)
Log Pow	3.4 (Experimental value; 2.53; Experimental value; Equivalent or similar to OECD 107; 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

### 12.4. Mobility in soil

#### PRONTO BREAK CLEANER 55 GALLON DRUM (127-18-4)

Surface tension	0.0313 N/m (20 °C)
Log Koc	Koc,141; Experimental value; log Koc; 2.15; Experimental value

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle by distillation. Remove to an incinerator for chlorinated waste materials with energy recovery. Do not discharge into surface water.
--	--

# PRONTO BREAK CLEANER 55 GALLON DRUM

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Additional information	: LWCA (the Netherlands): KGA category 04. Hazardous waste according to Directive 2008/98/EC.
Ecology - waste materials	: Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

US DOT (ground):	UN1897, Tetrachloroethylene, 6.1, III
ICAO/IATA (air):	UN1897, Tetrachloroethylene, 6.1 , III
IMO/IMDG (water):	UN1897, Tetrachloroethylene, 6.1 , III
Special Provisions:	IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). N36 - Aluminum or aluminum alloy construction materials are permitted only for halogenated hydrocarbons that will not react with aluminum. T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Tetrachloroethylene
Class (DOT)	: 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132
Hazard labels (DOT)	: 6.1 - Poison
	
Packing group (DOT)	: III - Minor Danger
DOT Special Provisions (49 CFR 172.102)	: IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). N36 - Aluminum or aluminum alloy construction materials are permitted only for halogenated hydrocarbons that will not react with aluminum. T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 153
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
Marine pollutant	: Yes



#### 14.3. Additional information

Other information	: No supplementary information available.
-------------------	---

#### Overland transport

Packing group (ADR)	: III
Class (ADR)	: 6.1 - Toxic substances
Hazard identification number (Kemler No.)	: 60
Classification code (ADR)	: T1

# PRONTO BREAK CLEANER 55 GALLON DRUM

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Hazard labels (ADR)

: 6.1 - Toxic substances



Orange plates



Tunnel restriction code (ADR)

: E

### Transport by sea

DOT Vessel Stowage Location

: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

DOT Vessel Stowage Other

: 40 - Stow "clear of living quarters"

EmS-No. (1)

: F-A

EmS-No. (2)

: S-A

### Air transport

DOT Quantity Limitations Passenger aircraft/rail : 60 L  
(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### PRONTO BREAK CLEANER 55 GALLON DRUM (127-18-4)

Listed on the United States SARA Section 302

Subject to reporting requirements of United States SARA Section 313

CERCLA RQ	100 lb Tetrachloroethylene
-----------	----------------------------

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
-------------------------------------	--

### 15.2. International regulations

#### CANADA

#### PRONTO BREAK CLEANER 55 GALLON DRUM (127-18-4)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
----------------------	---

#### EU-Regulations

No additional information available

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Carc. 2 H351  
Aquatic Chronic 2 H411

Full text of hazard classes and H-statements : see section 16

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.3; R40  
N; R51/53

Full text of R-phrases: see section 16

#### 15.2.2. National regulations

#### PRONTO BREAK CLEANER 55 GALLON DRUM (127-18-4)

Listed on the Canadian IDL (Ingredient Disclosure List)

### 15.3. US State regulations

#### PRONTO BREAK CLEANER 55 GALLON DRUM (127-18-4)

U.S. - California - Proposition 65 - Carcinogens List	Yes
U.S. - California - Proposition 65 - Developmental Toxicity	No

# PRONTO BREAK CLEANER 55 GALLON DRUM

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

PRONTO BREAK CLEANER 55 GALLON DRUM (127-18-4)	
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No
State or local regulations	U.S. - California - Proposition 65 Not for sale in California or New Jersey U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Rhode Island - Hazardous Substance List

## SECTION 16: Other information

Indication of changes : Revision - See : \*.

Other information : None.

Full text of H-phrases:

H315	Causes skin irritation
H332	Harmful if inhaled
H350	May cause cancer
H411	Toxic to aquatic life with long lasting effects

NFPA health hazard

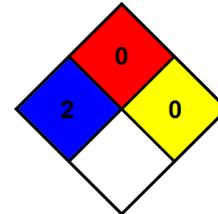
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

: 0 - Materials that will not burn.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



## HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012) - TCC

The Supplier identified in Section 1 of this SDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product

*Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.*