

SDS# 357-20  
Date: August 2015

Total Pages: 8

# Saf-N-Kleen

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** A00357 PL Coil Cleaning Solvent 20net18  
**Catalog Number:** 357-20  
**Manufactured for:** DiversiTech Corporation  
6650 Sugarloaf Parkway  
Duluth, GA, 30097  
**Information Phone No.:** 1+678.542.3600  
**EMERGENCY Phone No.:** 1 800.255.3924 Chem-Tel (Chemical Emergencies)

## SECTION 2. HAZARDOUS IDENTIFICATION

### GHS Classification:

Gas Under Pressure, compressed gas  
Skin Irritation Category 2  
Eye Irritation Category 2A  
Specific Target Organ Toxicity- Category 3 (Central nervous system)  
Single Exposure

Label Elements:



**Signal Word:** Danger!

### Hazard Statement(s)

H280 Contains gas under pressure; may explode if heated.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H350 May cause cancer

### Precautionary Statement(s)

#### Prevention

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear eye protection/ face protection.  
P280 Wear protective gloves.  
P281 Use personal protective equipment as required.

#### Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.

# Saf-N-Kleen

## SECTION 2. HAZARDOUS INGREDIENTS INFORMATION (cont.)

### Storage

P405 Store locked up.  
 P410 + P403 Protect from sunlight. Store in a well-ventilated place.

### Disposal

P501 Dispose of contents/container in accordance with local regulation.

### Potential Health Effects

#### Carcinogenicity:

IARC	Group 1: Carcinogenic to humans Trichloroethylene	79-01-6
ACGIH	Suspected human carcinogen Trichloroethylene	79-01-6

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP	Reasonably anticipated to be a human carcinogen Trichloroethylene	79-01-6
-----	--	---------

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Specific Hazards
Trichloroethylene	79-01-6	>= 90 - <= 100	
Carbon dioxide	124-38-9	>= 1 - < 5	

## SECTION 4. FIRST AID MEASURES

General advice	Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	Consult a physician after significant exposure. If unconscious place in recovery position and seek medical advice.
In case of skin contact	If skin irritation persists, call a physician. Wash off immediately with plenty of water for at least 15 minutes. If on clothes, remove clothes.
In case of eye contact	Remove contact lenses. Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists. Keep eye wide open while rinsing.
If swallowed	Keep respiratory tract clear. DO NOT induce vomiting unless directed to do so by a physician or poison control center.

## SECTION 5. FIREFIGHTING MEASURES

**Suitable and Unsuitable Extinguishing Media:** Water spray  
 Alcohol-resistant foam  
 Dry chemical

**Unsuitable extinguishing media:** High volume water jet

# Saf-N-Kleen

## SECTION 5. FIREFIGHTING MEASURES (cont.)

- Specific hazards during firefighting:** Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products:** Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Smoke  
Chlorine compounds
- Specific extinguishing methods:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment.
- Environmental precautions:** Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up:** Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Soak up with inert absorbent material  
(E.g. sand, silica gel, acid binder, universal binder, sawdust).

## SECTION 7. HANDLING AND STORAGE

- Advice on safe handling** Do not breathe vapours/dust.  
Void exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.
- Conditions for safe storage** **BEWARE:** Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid:** No materials to be especially mentioned.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters:

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Trichloroethylene	79-01-6	TWA	10 ppm	ACGIH
		STEL	25 ppm	ACGIH
		TWA	100 ppm	OSHA Z-2
		CEIL	200 ppm	OSHA Z-2
		Peak	300 ppm	OSHA Z-2
		TWA	50 ppm 270 mg/m <sup>3</sup>	OSHA P0
		STEL	200 ppm 1,080 mg/m <sup>3</sup>	OSHA P0

# Saf-N-Kleen

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (cont.)

Components	CAS-No.	Value type (Form of exposure)	Control parameters Permissible concentration	Basis
Carbon Dioxide	124-38-9	TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		TWA	5,000 ppm 9,000 mg/m <sup>3</sup>	NIOSH REL
		ST	30,000 ppm 54,000 mg/m <sup>3</sup>	NIOSH REL
		TWA	5,000 ppm 9,000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	10,000 ppm 18,000 mg/m <sup>3</sup>	OSHA P0
		STEL	30,000 ppm 54,000 mg/m <sup>3</sup>	OSHA P0

### Biological occupational exposure limits

Component	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Trichloroethene	79-01-6	Trichloroacetic acid	Urine	End of shift at end of work week	15 mg/l	ACGIH BEI
		Trichloroethanol	In blood	End of shift at end of work week	0.5 mg/l	ACGIH BEI
		Trichloroethylene	In blood	End of shift at end of work week		ACGIH BEI
		Trichloroethylene	In end-exhaled air	End of shift at end of work week		ACGIH BEI

### Personal protective equipment

<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand protection Remarks</b>	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
<b>Eye protection</b>	Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
<b>Skin and body protection</b>	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
<b>Hygiene measures</b>	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Aerosol containing a compressed gas
<b>Colour</b>	No data available
<b>Odour</b>	No data available
<b>Odour Threshold</b>	No data available
<b>pH</b>	Not applicable

# Saf-N-Kleen

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES (cont.)

Melting point/freezing point	No data available
Boiling point	No data available
Flash point	No data available
Flammability (solid, gas)	The product is not flammable.
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	No data available
Density	No data available
Solubility(ies)	
Water solubility	Soluble
Partition coefficient: n-octanol/water	No data available
Heat of combustion	7.17 kJ/g

## SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions.

**Reactivity:** Stable.

**Possibility of Hazardous Reactions:** No decomposition if stored and applied as directed.

**Conditions to Avoid:** Heat, flames and sparks.

**Incompatible Materials:** no data available.

**Hazardous Decomposition Products:** Phosgene.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Product:

Acute oral toxicity                      Acute toxicity estimate : > 5,000 mg/kg  
 Method:                                      Calculation method

#### Components:

Trichloroethylene:  
 Acute oral toxicity                      LD50 Oral rat: 4,920 mg/kg

Acute inhalation toxicity              LC50 mouse: 8450 ppm  
 Exposure time:                              4h

Acute dermal toxicity                      LD50 Dermal rabbit: > 20,000 mg/kg

#### Skin corrosion/irritation

Product:

Remarks:                                      May cause skin irritation in susceptible persons.

#### Serious eye damage/eye irritation

Product:

Remarks:                                      Severe eye irritation

Respiratory or skin sensitisation      No data available

Germ cell mutagenicity                      No data available

# Saf-N-Kleen

## SECTION 11. TOXICOLOGICAL INFORMATION (cont.)

### Carcinogenicity

IARC Group 1: Trichloroethylene	Carcinogenic to humans. 79-01-6
ACGIH Trichloroethylene	Suspected human carcinogen. 79-01-6
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP Trichloroethylene	Reasonably anticipated to be a human carcinogen. 79-01-6
Reproductive toxicity Trichloroethylene:	No data available
Carbon Dioxide:	
STOT - single exposure	No data available
STOT - repeated exposure	No data available
Aspiration toxicity	No data available

### Further information

#### Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

## SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and degradability	No data available
<b>Bioaccumulative potential</b>	
Product:	Partition coefficient: n-octanol/water
Remarks:	No data available
<b>Components:</b>	
Trichloroethylene :	
Partition coefficient: n-octanol/water	Log Pow: 2.29
Mobility in soil	No data available
Other adverse effects	No data available

Product:

Regulation:

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks:

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

### Additional ecological information

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

# Saf-N-Kleen

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues	Dispose of in accordance with local regulations.
Contaminated packaging	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

## SECTION 14. TRANSPORTATION INFORMATION

### Transportation Regulation: 49 CFR (USA):

ORM-D, CONSUMER COMMODITY

### Transportation Regulation: IMDG (Vessel):

UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

### Transportation Regulation: IATA (Cargo Air):

UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

### Transportation Regulation: IATA (Passenger Air):

UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

### Transportation Regulation: TDG (Canada):

UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Trichloroethylene	79-01-6	100	104

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 311/312 Hazards

Sudden Release of Pressure Hazard  
Acute Health Hazard  
Chronic Health Hazard

#### SARA 302

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313

The following components are subject to reporting levels  
Established by SARA Title III, Section 313:

Trichloroethylene	79-01-6	96.515 %
-------------------	---------	----------

#### California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

Trichloroethylene	79-01-6
-------------------	---------

#### The components of this product are reported in the following inventories:

#### TSCA

On TSCA Inventory

#### DSL

This product contains one or several components that are not on the Canadian DSL nor NDSL

#### AICS

Not in compliance with the inventory

#### NZIoC

Not in compliance with the inventory

#### PICCS

Not in compliance with the inventory

#### IECSC

Not in compliance with the inventory

# Saf-N-Kleen

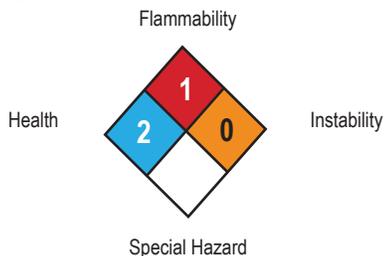
## SECTION 15. REGULATORY INFORMATION (cont.)

### Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

## SECTION 16. OTHER INFORMATION:

### NFPA:



### HMIS III:

Health	2
Flamability	0
Physical Hazard	2
Personal Protection	

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

### OSHA GHS Label Information:

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause cancer.

#### Precautionary statements

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection/ face protection. Wear protective gloves. Use personal protective equipment as required.

**Response:** **IF ON SKIN:** Wash with plenty of soap and water. **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **IF exposed or concerned:** Get medical advice/ attention. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

**Storage:** Store locked up. Protect from sunlight. Store in a well-ventilated place.

**Disposal:** Dispose of contents/container in accordance with local regulation.

SDS DATE REVISED: 11/13/2015

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.*