

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

1 Identification

- **Product identifier**
- **Trade name:** 3302 5 Star Advantage Multi-Purpose Gun Cleaner
- **Article number:** 3302
- **Application of the substance / the mixture** Instrument cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
- **Manufactured for:** IAMG International Autobody Marketing Group, 1505 North Hayden Road, Ste.111,
- **Scottsdale, AZ 85257**
- **Information phone :** 480.451.4451
- **Information department:** 1-87-REFINISH
- **Emergency telephone number:** CHEMTREC 1-800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 GHS04 Flame, Gas cylinder

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.



GHS08 Health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT SE 1 H370 Causes damage to organs.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 1)

· **Hazard pictograms**



GHS02 GHS04 GHS07 GHS08

· **Signal word** *Danger*

· **Hazard-determining components of labeling:**

*methanol
acetone
toluene
xylene*

· **Hazard statements**

*H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H361 Suspected of damaging fertility or the unborn child.
H370 Causes damage to organs.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.*

· **Precautionary statements**

*P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P312 Call a poison center/doctor if you feel unwell.
P321 Specific treatment (see on this label).
P314 Get medical advice/attention if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P405 Store locked up.
P410+P403 Protect from sunlight. Store in a well-ventilated place.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

(Contd. on page 3)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 2)

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = *2
FIRE	4	Fire = 4
REACTIVITY	3	Reactivity = 3

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Mixture: consisting of the following components.
Weight percentages

- **Dangerous components:**

67-64-1	acetone	40-60%
68476-86-8	Petroleum gases, liquefied, sweetened	13-30%
1330-20-7	xylene	10-13%
67-56-1	methanol	10-13%
111-76-2	2-butoxyethanol	5-7%
64742-95-6	Solvent naphtha (petroleum), light arom.	1.5-5%
78-93-3	butanone	1.5-5%
108-88-3	toluene	1.5-5%
95-63-6	1,2,4-trimethylbenzene	1-1.5%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 3)

- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

67-64-1	acetone	200 ppm
1330-20-7	xylene	130 ppm
67-56-1	methanol	530 ppm
111-76-2	2-butoxyethanol	60 ppm
78-93-3	butanone	200 ppm
108-88-3	toluene	67 ppm
95-63-6	1,2,4-trimethylbenzene	140 ppm
108-67-8	mesitylene	140 ppm
98-82-8	cumene	50 ppm

· **PAC-2:**

67-64-1	acetone	3200* ppm
1330-20-7	xylene	920* ppm
67-56-1	methanol	2,100 ppm
111-76-2	2-butoxyethanol	120 ppm
78-93-3	butanone	2700* ppm
108-88-3	toluene	560 ppm
95-63-6	1,2,4-trimethylbenzene	360 ppm

(Contd. on page 5)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 4)

108-67-8	mesitylene	360 ppm
98-82-8	cumene	300 ppm
· PAC-3:		
67-64-1	acetone	5700* ppm
1330-20-7	xylene	2500* ppm
67-56-1	methanol	7200* ppm
111-76-2	2-butoxyethanol	700 ppm
78-93-3	butanone	4000* ppm
108-88-3	toluene	3700* ppm
95-63-6	1,2,4-trimethylbenzene	480 ppm
108-67-8	mesitylene	480 ppm
98-82-8	cumene	730 ppm

7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

No special measures required.

Ensure good ventilation/exhaustion at the workplace.

- **Information about protection against explosions and fires:**

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Observe official regulations on storing packagings with pressurized containers.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** Keep receptacle tightly sealed.

- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

67-64-1 acetone

PEL Long-term value: 2400 mg/m³, 1000 ppm

REL Long-term value: 590 mg/m³, 250 ppm

TLV Short-term value: 1187 mg/m³, 500 ppm

Long-term value: 594 mg/m³, 250 ppm

BEI

(Contd. on page 6)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 5)

1330-20-7 xylene

PEL Long-term value: 435 mg/m³, 100 ppm
 REL Short-term value: 655 mg/m³, 150 ppm
 Long-term value: 435 mg/m³, 100 ppm
 TLV Short-term value: 651 mg/m³, 150 ppm
 Long-term value: 434 mg/m³, 100 ppm
 BEI

67-56-1 methanol

PEL Long-term value: 260 mg/m³, 200 ppm
 REL Short-term value: 325 mg/m³, 250 ppm
 Long-term value: 260 mg/m³, 200 ppm
 Skin
 TLV Short-term value: 328 mg/m³, 250 ppm
 Long-term value: 262 mg/m³, 200 ppm
 Skin; BEI

111-76-2 2-butoxyethanol

PEL Long-term value: 240 mg/m³, 50 ppm
 Skin
 REL Long-term value: 24 mg/m³, 5 ppm
 Skin
 TLV Long-term value: 97 mg/m³, 20 ppm
 BEI

78-93-3 butanone

PEL Long-term value: 590 mg/m³, 200 ppm
 REL Short-term value: 885 mg/m³, 300 ppm
 Long-term value: 590 mg/m³, 200 ppm
 TLV Short-term value: 885 mg/m³, 300 ppm
 Long-term value: 590 mg/m³, 200 ppm
 BEI

108-88-3 toluene

PEL Long-term value: 200 ppm
 Ceiling limit value: 300; 500* ppm
 *10-min peak per 8-hr shift
 REL Short-term value: 560 mg/m³, 150 ppm
 Long-term value: 375 mg/m³, 100 ppm
 TLV Long-term value: 75 mg/m³, 20 ppm
 BEI

95-63-6 1,2,4-trimethylbenzene

REL Long-term value: 125 mg/m³, 25 ppm
 TLV Long-term value: 123 mg/m³, 25 ppm

· Ingredients with biological limit values:**67-64-1 acetone**

BEI 50 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Acetone (nonspecific)

(Contd. on page 7)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 6)

1330-20-7 xylene

BEI 1.5 g/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: Methylhippuric acids

67-56-1 methanol

BEI 15 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Methanol (background, nonspecific)

111-76-2 2-butoxyethanol

BEI 200 mg/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: Butoxyacetic acid with hydrolysis

78-93-3 butanone

BEI 2 mg/L
 Medium: urine
 Time: end of shift
 Parameter: MEK

108-88-3 toluene

BEI 0.02 mg/L
 Medium: blood
 Time: prior to last shift of workweek
 Parameter: Toluene

0.03 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Toluene

0.3 mg/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: o-Cresol with hydrolysis (background)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

(Contd. on page 8)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 7)

· **Protection of hands:**

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Safety glasses



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Aerosol
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55 °C

· **Flash point:** -103 °C

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 240 °C

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** In use, may form flammable/explosive vapour-air mixture.

· **Explosion limits:**

Lower:	1.1 Vol %
Upper:	44 Vol %

(Contd. on page 9)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 8)

· Vapor pressure at 20 °C:	233 hPa
· Density at 20 °C:	0.75264 g/cm ³
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	100.0 %
VOC content:	59.67 %
	729.3 g/l / 6.09 lb/gl
· Solids content:	0.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

1330-20-7 xylene

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

67-56-1 methanol

Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)

95-63-6 1,2,4-trimethylbenzene

Oral	LD50	5,000 mg/kg (rat)
------	------	-------------------

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.

(Contd. on page 10)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 9)

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

1330-20-7	xylene	3
111-76-2	2-butoxyethanol	3
108-88-3	toluene	3
98-82-8	cumene	2B

- **NTP (National Toxicology Program)**

98-82-8	cumene	R
---------	--------	---

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

* 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

USA

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS




Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 10)

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT, ADR, IMDG, IATA 	<p>UN1950</p>
<ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR · IMDG · IATA 	<p>Aerosols, flammable 1950 Aerosols AEROSOLS AEROSOLS, flammable</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	<p>2.1 2.1</p>
<ul style="list-style-type: none"> · ADR 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	<p>2 5F Gases 2.1</p>
<ul style="list-style-type: none"> · IMDG, IATA 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	<p>2.1 2.1</p>
<ul style="list-style-type: none"> · Packing group · DOT, ADR, IMDG, IATA 	<p>Void</p>
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	<p>No</p>
<ul style="list-style-type: none"> · Special precautions for user · EMS Number: · Stowage Code 	<p>Warning: Gases F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.</p>
<ul style="list-style-type: none"> · Segregation Code 	<p>SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision</p>

(Contd. on page 12)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 11)

	of class 2.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg

· ADR	
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

1330-20-7	xylene
67-56-1	methanol
111-76-2	2-butoxyethanol
78-93-3	butanone
108-88-3	toluene
95-63-6	1,2,4-trimethylbenzene
98-82-8	cumene

· **TSCA (Toxic Substances Control Act):**

67-64-1	acetone
1330-20-7	xylene
67-56-1	methanol
111-76-2	2-butoxyethanol
78-93-3	butanone
108-88-3	toluene
95-63-6	1,2,4-trimethylbenzene
108-67-8	mesitylene
98-82-8	cumene

· **TSCA new (21st Century Act) (Substances not listed)**

68476-86-8 Petroleum gases, liquefied, sweetened

(Contd. on page 13)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 12)

64742-95-6	Solvent naphtha (petroleum), light arom.
------------	--

· **Proposition 65**

· **Chemicals known to cause cancer:**

1330-20-7	xylene
-----------	--------

95-63-6	1,2,4-trimethylbenzene
---------	------------------------

98-82-8	cumene
---------	--------

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

67-56-1	methanol
---------	----------

108-88-3	toluene
----------	---------

· **Carcinogenity categories**

· **EPA (Environmental Protection Agency)**

67-64-1	acetone			
---------	---------	--	--	--

I

1330-20-7	xylene			
-----------	--------	--	--	--

I

111-76-2	2-butoxyethanol			
----------	-----------------	--	--	--

NL

78-93-3	butanone			
---------	----------	--	--	--

I

108-88-3	toluene			
----------	---------	--	--	--

II

95-63-6	1,2,4-trimethylbenzene			
---------	------------------------	--	--	--

II

108-67-8	mesitylene			
----------	------------	--	--	--

II

98-82-8	cumene			
---------	--------	--	--	--

D, CBD

· **TLV (Threshold Limit Value established by ACGIH)**

67-64-1	acetone			
---------	---------	--	--	--

A4

1330-20-7	xylene			
-----------	--------	--	--	--

A4

111-76-2	2-butoxyethanol			
----------	-----------------	--	--	--

A3

108-88-3	toluene			
----------	---------	--	--	--

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

67-56-1	methanol			
---------	----------	--	--	--

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02

GHS04

GHS07

GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

methanol

acetone

toluene

xylene

(Contd. on page 14)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 13)

· **Hazard statements**

- H222 *Extremely flammable aerosol.*
- H280 *Contains gas under pressure; may explode if heated.*
- H332 *Harmful if inhaled.*
- H315 *Causes skin irritation.*
- H319 *Causes serious eye irritation.*
- H361 *Suspected of damaging fertility or the unborn child.*
- H370 *Causes damage to organs.*
- H336 *May cause drowsiness or dizziness.*
- H373 *May cause damage to organs through prolonged or repeated exposure.*

· **Precautionary statements**

- P201 *Obtain special instructions before use.*
- P202 *Do not handle until all safety precautions have been read and understood.*
- P210 *Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*
- P211 *Do not spray on an open flame or other ignition source.*
- P251 *Pressurized container: Do not pierce or burn, even after use.*
- P260 *Do not breathe dust/fume/gas/mist/vapors/spray.*
- P264 *Wash thoroughly after handling.*
- P270 *Do not eat, drink or smoke when using this product.*
- P271 *Use only outdoors or in a well-ventilated area.*
- P280 *Wear protective gloves/protective clothing/eye protection/face protection.*
- P302+P352 *If on skin: Wash with plenty of water.*
- P304+P340 *IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
- 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.*
- P312 *Call a poison center/doctor if you feel unwell.*
- P321 *Specific treatment (see on this label).*
- P314 *Get medical advice/attention if you feel unwell.*
- P362+P364 *Take off contaminated clothing and wash it before reuse.*
- P332+P313 *If skin irritation occurs: Get medical advice/attention.*
- P337+P313 *If eye irritation persists: Get medical advice/attention.*
- P405 *Store locked up.*
- P410+P403 *Protect from sunlight. Store in a well-ventilated place.*
- P410+P412 *Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.*
- P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Environment protection department.

- **Contact:** Rita Joiner (rjoiner@semproducts.com)

- **Date of preparation / last revision** 03/14/2018 / 11

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 15)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/14/2018

Reviewed on 06/28/2017

Trade name: 3302 5 Star Advantage Multi-Purpose Gun Cleaner

(Contd. of page 14)

DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Aerosol 1: Aerosols – Category 1
Press. Gas: Gases under pressure – Compressed gas
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Repr. 2: Reproductive toxicity – Category 2
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

*** Data compared to the previous version altered.**

USA