

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

GHS Product Identifier **Rapid Tac Application Fluid**
 Chemical Name Not applicable
 Trade name **Rapid Tac Application Fluid**
 CAS No. Mixture
 EINECS No. Mixture
 REACH Registration No. Not available

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

Identified use(s) Users are recommended to seek further advice.
 Uses advised against Users are recommended to seek further advice.

1.3 Supplier's details

Company Identification **Rapid Tac**
 Address **186 Combs Dr, Merlin, OR 97532 USA**
 Telephone **(541) 474-1113**
 E-Mail (competent person) mail@rapidtac.com

1.4 Emergency telephone number – ChemTel Inc.

Emergency Phone No. **(800) 255-3924 (US/Canada), (813) 248-0585 (Elsewhere)**

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

2.1.1 Regulation (EC) No. 1272/2008 (CLP) - None. Does not sustain combustion (UN method L.2)

2.1.2 Directive 67/548/EEC & Directive 1999/45/EC - None

2.2 Label elements**2.2.1 Label elements According to Regulation (EC) No. 1272/2008 (CLP)**

GHS Product Identifier (EU)
 Hazard pictogram(s) None
 Signal word(s) None
 Hazard statement(s) None
 Precautionary Statement(s) P210: Keep away from heat, sparks, open flame, hot surfaces - No smoking.

2.2.2 Label elements According to Directive 67/548/EEC & Directive 1999/45/EC

Hazard Symbol None
 Risk Phrases None
 Safety Phrases S16: Keep away from sources of ignition - No smoking.

2.3 Other hazards Not Hazardous under OSHA Hazard Communication Standard (USA) –Does not sustain combustion.

HMIS: Health-1*, Flammability-1 Reactivity - 0


WHMIS Classification (Canada): Not Hazardous under WHMIS

GHS Classification (USA/Canada): None

2.4 Additional Information

Potential Health Effects
 Inhalation May cause drowsiness or dizziness.
 Eye Contact May cause eye irritation.
 Skin Contact May cause skin irritation
 Ingestion May be harmful if swallowed.


SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**EC Classification No. 1272/2008/EC**

Hazardous ingredient(s)	% W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Ethanol	<20	64-17-5	200-578-6	NA	 2.6/2 : H225,
Non-hazardous Ingredients	>80	NA	NA	NA	None None

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EC Classification No. 67/548/EEC

Hazardous ingredient(s)	% W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Ethanol	<20	64-17-5	200-578-6	NA	 F: R11
Non-hazardous Ingredients	>80	NA	NA	NA	None None

3.3 Additional Information

- For full text of H/P phrases see section 16. For full text of R phrases see section 16. Non-Hazardous ingredients are not listed and make up the balance of the product.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Remove patient from exposure. Keep patient at rest and give oxygen if breathing difficult. If symptoms develop, obtain medical attention.
Skin Contact	Wash affected skin with soap and water. If symptoms develop, obtain medical attention.
Eye Contact	Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
Ingestion	Unlikely route of exposure. Do not induce vomiting. Make victim drink plenty of water. Obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Acute: May cause irritation to eyes and skin. May cause drowsiness and dizziness. May cause headache, nausea and vomiting.
Delayed and chronic effects: Chronic ethanol ingestion is characterized by steatosis and/or cirrhosis of the liver. Concurrent with these findings are damage to the kidneys and/or pancreas. Ethanol also is implicated as a reproductive toxin when ingested. These conditions are not generally observed in non-ingestion cases of ethanol exposure.

4.3 Indication of the immediate medical attention and special treatment needed

Treat symptomatically. No data available.

SECTION 5: FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Suitable Extinguishing Media	Extinguish preferably with waterspray, fog or foam.
Unsuitable Extinguishing Media	None

5.2 Special hazards arising from the substance or mixture

None anticipated. Product does not sustain combustion.

5.3 Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure full personal protection (including respiratory protection) during removal of spillages. Eliminate all ignition sources if safe to do so.

6.2 Environmental precautions

Wear suitable protective clothing, gloves and eye/face protection.

6.3 Methods and material for containment and cleaning up

Remove or make safe all sources of ignition. Absorb remaining liquid in sand or inert absorbent and remove to safe place.

6.4 Reference to other sections

See Also Section 7, 8, 13.

6.5 Additional Information

None

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid breathing fumes. Avoid ingestion. Use only in well-ventilated areas. Avoid inhalation of high concentrations of vapours. Keep away from oxidising agents. Keep away from fire, sparks and heated surfaces - no smoking.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Do not use or store near heat or open flame. Do not store and transport with oxidizers etc.

Storage Temperature

Ambient temperatures.

Storage Life

Not available

Incompatible materials

Oxidizing agents, Water-reactive agents

7.3 Specific end use(s)

Consult the supplier.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters**8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Ethanol	64-17-5	1000	NE	NE	NE	ACGIH OSHA PEL
		1000	1900	NE	NE	

8.1.2 Biological limit value

Biological limit values are not available for this product.

8.1.3 PNECs and DNELs

No PNECs and/or DNELs are available for this product.

8.2 Exposure controls

8.2.1 Appropriate engineering controls Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation.

8.2.2 Personal protection equipment

Eye/face protection Safety spectacles.



Skin protection
(Hand protection/
Other) Plastic or synthetic rubber gloves. Wear chemical resistant apron.



Respiratory protection Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.

Thermal hazards Flammable liquid.

8.2.3 Environmental Exposure Controls Adequate ventilation must be used. Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid	Colour	Yellow
Odour	Alcoholic	Odour Threshold (ppm)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available	Boiling point/boiling range (°C):	<100°C / 212°F
Flash Point (°C)	>35°C / >95°F	Explosive limit ranges	Not available
Auto Ignition Temperature (°C)	Not available	Decomposition Temperature (°C)	Not available
Explosive properties	Not available	Oxidising properties	Not available
Flammability (solid, gas)	Marginally Combustible / Flammable	pH (Value)	Not available
Evaporation rate	Not available	Vapour Pressure (mm Hg)	Not available
Vapour Density (Air=1)	Not available	Density (g/ml)	< 1.0
Solubility (Water)	Complete	Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available	Viscosity (mPa.s)	Not available

9.2 Other information VOC = 138 g/L

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Slight
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Can react violently if in contact with - Oxidizing agents.
10.4 Conditions to avoid	Avoid contact with heat and ignition sources.
10.5 Incompatible materials	Bleaching products and comparable oxidisers,
10.6 Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	CAS No.	LD ₅₀ (Oral, Rat)	LC ₅₀ (Inhalation, Rat)
Ethanol	64-17-5	7060 mg/kg	39 g/m ³ / 4 Hours

11.1 Information on toxicological effects**11.1.2 Mixtures**

Acute toxicity	May be harmful if swallowed. May be harmful by inhalation. May cause drowsiness and dizziness.
Irritation	Causes eye irritation. May cause skin irritation.
Corrosivity	Not to be expected.
Sensitisation	Not to be expected.
Repeated dose toxicity	Causes damage to organs through prolonged or repeated exposure.

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Carcinogenicity	Slight for ethanol through oral consumption.
Mutagenicity	Not to be expected.
Toxicity for reproduction	For Ethanol: Reproductive toxicity established for oral consumption..
11.2 Other information	None

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	No data.
12.2 Persistence and degradability	No data.
12.3 Bioaccumulative potential	No data.
12.4 Mobility in soil	No data.
12.5 Results of PBT and vPvB assessment	No data.
12.6 Other adverse effects	No data.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Send to a licensed recycler, reclaimer or incinerator.
13.2 Additional Information	None

SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID) (a)(b)(c)		Land transport (Within USA) (a)(b)(c)	
UN number	Exempt under ADR Special Provision 144.	UN number	Exempt under 49CFR173.150(e)(2)
Proper Shipping Name	Not regulated	Proper Shipping Name	Not regulated
Transport hazard class(es)	None	Transport hazard class(es)	None
Packing Group	None	Packing Group	None
Hazard label(s)	None	Hazard label(s)	None
Environmental hazards	None	Environmental hazards	None
Special precautions for user		Special precautions for user	
Sea transport (IMDG) (a)(b)(c)		Air transport (ICAO/IATA) (a)(b)(c)	
UN number	Exempt under IMDG Special Provision 144.	UN number	Exempt under IATA Special Provision A58.
Proper Shipping Name	Not regulated	Proper Shipping Name	Not regulated
Transport hazard class(es)	None	Transport hazard class(es)	None
Packing Group	None	Packing Group	None
Marine Pollutant	None	Environmental hazards	None
Special precautions for user	None	Special precautions for user	None

(a)– Consult with transport provider.

(b)– Exemptions for Apply to products in non-bulk (<450L or 119 US gal) packages only..

(c)– Consult with shipper regarding large quantities of product.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU regulations

Authorisations and/or restrictions on use	Consult the supplier.
European Union (EINECS/ELINCS)	All chemicals listed
WGK number	Not Applicable.

15.1.2 National regulations

USA

TSCA (Toxic Substance Control Act)	All chemicals listed
SARA 311/312 - Hazard Categories	None
SARA 302 - Extremely Hazardous Substances	Listed – None
SARA 313 - Toxic Chemicals	Listed – None
CERCLA (Comprehensive Environmental Response Compensation and Liability Act)	Listed – None
CAA (Clean Air Act 1990)	Listed – None
CWA (Clean Water Act)	Listed – None
State Right to Know Lists	Listed – MA, NJ, PA
Proposition 65 (California) - WARNING: This product contains Ethanol, a chemical known to the state of California to cause developmental reproductive toxicity.	

Canada

WHMIS Classification	None
Canada (DSL/NDL)	Listed - DSL
Canada Ingredient Disclosure List (CIDL)	Listed as required.

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15.2 Chemical Safety Assessment: POSSIBLE EYE & SKIN IRRITANT

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

ACGIH	American Conference of Governmental Industrial Hygienists	NA	not applicable, not available
AICS	Australian Inventory of Chemical Substances	NIOSH	National Institute for Occupational Safety and Health
ANSI	American National Standards Institute	ND	not determined
atm	atmosphere (pressure unit)	NFPA	National Fire Prevention Association
BOD	biological oxygen demand	NTP	National Toxicology Program
CAS	Chemical Abstracts Service	OC	open cup
CC	closed cup	OSHA	Occupational Safety and Health Administration
CDTA	Chemical Drug and Trafficking Act	Part	partition
COC	Cleveland Open Cup	PEL	permissible exposure limits
COD	chemical oxygen demand	ppb	parts per billion
coeff.	coefficient	PPE	personal protective equipment
CFR	Code of Federal Regulations	ppm	parts per million
CPR	cardio-pulmonary resuscitation	psi	pounds per square inch
DEA	Drug Enforcement Agency	RCRA	Resource Conservation and Recovery Act
DOT	Department of Transportation	RQ	Reportable quantity
DSCL	Dangerous Substances Classification and Labeling	RTK	Right to Know
EEC	European Economic Community	SARA	Superfund Amendments and Reauthorization Act
FDA	Food and Drug Administration	STEL	short-term exposure limit
HMIS	Hazardous Materials Information System	SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons (Australia)
IARC	International Agency for Research on Cancer	TCC	Tagliabue Closed Cup
IDLH	immediate danger to life or health	TDG	Transportation of Dangerous Goods
kg	kilogram	TPQ	threshold planning quantity
L	liter	TQ	threshold quantity
LC50	median lethal concentration	TSCA	Toxic Substances Control Act
LD50	median lethal dose	TWA	time-weighted average
LEL	lower explosive limit	UEL	upper explosive limit
mg	milligram	WES	Workplace Exposure Standard (New Zealand)
mL	milliliter	WHMIS	Workplace Hazardous Material Information System

References: RTECS, CAS Registry, EINECS/ESIS, *Casarett & Doull's Toxicology*, *Goldfrank's Toxicologic Emergencies*, Manufacturer Information

Risk Phrases and Safety Phrases

R11: Highly flammable.

S16: Keep away from sources of ignition - No smoking.

Hazard statement(s) and Precautionary statement(s)

H225: Highly flammable liquid and vapour.

P210: Keep away from heat, sparks, open flame, hot surfaces - No smoking

Training advice: None

Additional Information: L.2 test results reported – reclassified as non-flammable 9 April 2012.

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