

Tac-Away

SDS Revision Date (mm/dd/yyyy): 12/29/2021

Page 1 of 10

SAFETY DATA SHEET**SECTION 1. IDENTIFICATION****Product identifier used on the label**: **Tac-Away****Other means of identification** : 40286, 40288, 40292**Recommended use of the chemical and restrictions on use**: Adhesive remover
Restriction on use: None known**Chemical family**

: Mixture.

**Name, address, and telephone number
of the supplier:****Safetec of America, Inc.**887 Kensington Avenue
Buffalo, NY, USA 14215**Name, address, and telephone number of
the manufacturer:**

Refer to supplier

Supplier's Telephone # : (716) 895-1822

24 Hr. Emergency Tel # : 1-800-255-3924**SECTION 2. HAZARDS IDENTIFICATION****Classification of the chemical**

Clear gel liquid Mild alcohol odor.

This product is packaged and sold as a consumer product. As such, the Hazcom 2012 standard does not apply [29 CFR 1910.1200(b)(6)((v))]. For informational purposes, this product would have the following OSHA classification.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification

Flammable liquids - Category 2

Serious eye damage/eye irritation - Category 2A

Specific target organ toxicity, single exposure - Category 3 (narcotic effects)

Label elements*Hazard pictogram(s)**Signal Word***DANGER!***Hazard statement(s)*

Highly flammable liquid and vapor.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Tac-Away

SDS Revision Date (mm/dd/yyyy): 12/29/2021

Page 2 of 10

SAFETY DATA SHEET*Precautionary statement(s)*

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.

Keep container tightly closed.

Ground and bond container and receiving equipment.

Take precautionary measures against static discharge.

Use only non-sparking tools.

Use explosion-proof electrical and ventilating equipment.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Avoid breathing fumes or vapors.

Wear protective gloves and eye/face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

In case of fire: Use water fog, dry chemical, CO₂ or 'alcohol' foam to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Keep container tightly closed.

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Isopropanol	Isopropyl alcohol 2-Propanol	67-63-0	65.0 - 85.0
Ethanol	Ethyl alcohol	64-17-5	1.0 - 5.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES**Description of first aid measures**

- Ingestion* : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting without advice from poison control center. Get medical attention.
- Inhalation* : If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.
- Skin contact* : Wash off with warm water and soap. Get medical attention if symptoms occur.
- Eye contact* : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms persist.

Most important symptoms and effects, both acute and delayed

- : Causes serious eye irritation. Symptoms may include tearing, redness and discomfort. Prolonged skin contact may cause dermatitis (rash), characterized by red, dry, itching skin. Inhalation of high concentrations may cause dizziness, disorientation, incoordination, narcosis, nausea or narcotic effects. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Tac-Away

SDS Revision Date (mm/dd/yyyy): 12/29/2021

Page 3 of 10

SAFETY DATA SHEET

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing media***Suitable extinguishing media*

: Water. Water Spray or Fog. Dry chemicals. Foam. Carbon dioxide (CO2).

Unsuitable extinguishing media

: Do not use water jet, as this may spread burning material.

Special hazards arising from the substance or mixture / Conditions of flammability

: Highly flammable liquid and vapor. Vapors may travel considerable distance to a source of ignition and flash back. Vapors are heavier than air and will settle and collect in low areas and pits, displacing breathing air.

Flammability classification (OSHA 29 CFR 1910.106)

: Flammable liquids - Category 2

Hazardous combustion products

: Carbon oxides and other irritating fumes and smoke.

Special protective equipment and precautions for firefighters*Protective equipment for fire-fighters*

: Firefighters should wear proper protective equipment and self-contained breathing apparatus (SCBA) with full face piece operated in positive pressure mode.

Special fire-fighting procedures

: Do not breathe mists, vapours or sprays. Cool containers exposed to flames with water until well after the fire is out.

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

: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

Environmental precautions : Do not allow material to contaminate ground water system.**Methods and material for containment and cleaning up**

: Stop the spill at source if it is safe to do so. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).

Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802). US CERCLA Reportable quantity (RQ): See section 15.

SECTION 7. HANDLING AND STORAGE**Precautions for safe handling**

: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Eliminate all sources of ignition. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Avoid breathing mist or vapor. Avoid contact with eyes, and clothing. Use only with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage : Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.**Incompatible materials** : Oxidizing agents. Strong acids.

Tac-Away

SDS Revision Date (mm/dd/yyyy): 12/29/2021

Page 4 of 10

SAFETY DATA SHEET

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Isopropanol	200 ppm	400 ppm	400 ppm (980 mg/m ³)	N/Av
Ethanol	N/Av	1000ppm	1000 ppm	N/Av

Exposure controls

Ventilation and engineering measures

: Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Use explosion-proof equipment.

Respiratory protection

: In case of insufficient ventilation wear suitable respiratory equipment. Advice should be sought from respiratory protection specialists.

Skin protection

: None required when used as intended.

Eye / face protection

: None required when used as intended.

Other protective equipment

: None required when used as intended.

General hygiene considerations

: Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes or vapors. Avoid contact with eyes. Do not ingest. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove and wash contaminated clothing before re-use.

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear gel liquid
Odour : Mild alcohol odor.
Odour threshold : Not available.
pH : Not available.
Melting Point/Freezing point : Not available.

Initial boiling point and boiling range

: Not available

Flash point : 13°C

Flashpoint (Method) : Closed cup

Evaporation rate (BuAe = 1) : Not available.

Flammability (solid, gas) : Not applicable.

Lower flammable limit (% by vol.)

: 3.3%

Upper flammable limit (% by vol.)

: 19%

Oxidizing properties : None.

Explosive properties : Not explosive

Tac-Away

SDS Revision Date (mm/dd/yyyy): 12/29/2021

Page 5 of 10

SAFETY DATA SHEET

Vapour pressure : Not available.
Vapour density : Not available.
Relative density / Specific gravity : Not available.
Solubility in water : Completely soluble.
Other solubility(ies) : No information available.
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution : Not available.
Auto-ignition temperature : Not available.
Decomposition temperature : No information available.
Viscosity : Not available.
Volatiles (% by weight) : No information available.
Volatile organic Compounds (VOC's) : Not available.
Absolute pressure of container : Not applicable.
Flame projection length : Not applicable.
Other physical/chemical comments : None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not expected to be reactive.
Chemical stability : Material is stable under normal conditions.
Possibility of hazardous reactions : Hazardous polymerization does not occur.
Conditions to avoid : Keep away from heat, sparks and flame.
Incompatible materials : Oxidizing agents. Strong acids.
Hazardous decomposition products : None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure:**

Routes of entry inhalation : YES
Routes of entry skin & eye : YES
Routes of entry Ingestion : YES
Routes of exposure skin absorption : NO

Potential Health Effects:**Signs and symptoms of short-term (acute) exposure***Sign and symptoms Inhalation*

: Inhalation of high concentrations may cause dizziness, disorientation, incoordination, narcosis, nausea or narcotic effects.

Sign and symptoms ingestion

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skin

: Direct skin contact may cause slight or mild, transient irritation.

Tac-Away

SDS Revision Date (mm/dd/yyyy): 12/29/2021

Page 6 of 10

SAFETY DATA SHEET

Sign and symptoms eyes : Causes serious eye irritation. Symptoms may include tearing, redness and discomfort.

Potential Chronic Health Effects

: Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Mutagenicity : Not expected to be mutagenic.

Carcinogenicity : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive or developmental effects.

Sensitization to material : Not expected to be a skin or respiratory sensitizer.

Specific target organ effects : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification:
Specific target organ toxicity, single exposure - Category 3 (narcotic effects)
May cause drowsiness or dizziness.

Not classified as a specific target organ toxicity - repeated exposure.

Medical conditions aggravated by overexposure

: Pre-existing skin, eye and respiratory disorders.

Synergistic materials : Not available.

Toxicological data : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data. See below for toxicological data on the substance.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Isopropanol	17 000 ppm (41.8 mg/L) (vapour)	4720 mg/kg	12 890 mg/kg
Ethanol	>61mg/L (vapour)	7060 mg/kg	>15800mg/kg

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : Contains material that may be harmful in the environment. Do not allow material to contaminate ground water system.

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Fish</u>		
		<u>LC₅₀ / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Isopropanol	67-63-0	9640 mg/L (Fathead minnow)	N/Av	None.
Ethanol	64-17-5	>100mg/L (Fathead minnow)	N/Av	N/Av

Tac-Away

SDS Revision Date (mm/dd/yyyy): 12/29/2021

Page 7 of 10

SAFETY DATA SHEET

<u>Ingredients</u>	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Isopropanol	67-63-0	> 10 000 mg/L/24hr (Daphnia magna)	30 mg/L	None.
Ethanol	64-17-5	5012mg/L Water flea	N/Av	N/Ap

<u>Ingredients</u>	CAS #	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Isopropanol	67-63-0	N/Av	N/Av	None.
Ethanol	64-17-5	1000mg/L (Green algae)	N/Av	N/Ap

Persistence and degradability

: Expected to be readily biodegradable.

Bioaccumulation potential

: No data is available on the product itself.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Ethanol	-0.32	N/Av
Isopropanol	0.05	1.0

Mobility in soil

: No data is available on the product itself.

Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: Handle waste according to recommendations in Section 7. Do not cut, weld, drill or grind on or near this container. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

Methods of Disposal

: Reuse or recycling should be given priority over disposal. If the material is unsuitable for recycling or reclamation, dispose of in accordance with federal, provincial and local hazardous waste laws. Contact your local, state or federal environmental agency for specific rules.

RCRA

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.

Tac-Away

SDS Revision Date (mm/dd/yyyy): 12/29/2021

Page 8 of 10

SAFETY DATA SHEET

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	UN1987	ALCOHOLS, N.O.S. (Isopropanol, Ethanol)	3	II	
49CFR/DOT Additional information	May be shipped as LIMITED QUANTITY when transported in quantities no larger than 1 Litre, in packages not exceeding 30 kg gross mass.				
TDG	UN1987	ALCOHOLS, N.O.S. (Isopropanol, Ethanol)	3	II	
TDG Additional information	May be shipped as LIMITED QUANTITY when transported in quantities no larger than 1 Litre, in packages not exceeding 30 kg gross mass.				
ICAO/IATA	UN1987	Alcohols, n.o.s. (Isopropanol, Ethanol)	3	II	
ICAO/IATA Additional information	Refer to ICAO/IATA Packing Instruction				
IMDG	UN1987	ALCOHOLS, N.O.S. (Isopropanol, Ethanol)	3	II	
IMDG Additional information	Consult the IMDG regulations for exceptions.				

Special precautions for user : Appropriate advice on safety must accompany the package. Keep away from heat, sparks and open flame - No smoking.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: This information is not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	de minimus Concentration
Isopropanol	67-63-0	Yes	None.	None.	Yes	1%
Ethanol	64-17-5	Yes	N/Ap	N/Av	No	N/Ap

Tac-Away

SDS Revision Date (mm/dd/yyyy): 12/29/2021

Page 9 of 10

SAFETY DATA SHEET

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable; Eye irritation; Specific target organ toxicity, single exposure.

Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Isopropanol	67-63-0	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Ethanol	64-17-5	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Isopropanol	67-63-0	200-661-7	Present	Present	(2)-207	KE-29363	Present	HSR001180
Ethanol	64-17-5	200-578-6	Present	Present	(2)-202	KE-13217	Present	HSR001144

SECTION 16. OTHER INFORMATION

Legend

: CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
DOT: Department of Transportation
IARC: International Agency for Research on Cancer
Inh: Inhalation
LC: Lethal Concentration /LD: Lethal Dose
N/Ap: Not Applicable /N/Av: Not Available
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible exposure limit
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
TSCA: Toxic Substance Control Act
WHMIS: Workplace Hazardous Materials Identification System

Tac-Away**SDS Revision Date (mm/dd/yyyy): 12/29/2021**

Page 10 of 10

SAFETY DATA SHEET

References : ECHA - European Chemical Agency
Canadian Centre for Occupational Health and Safety, CCInfoWeb databases
Safety Data Sheets from manufacturer.
OECD - The Global Portal to Information on Chemical Substances - eChemPortal

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: 2

Revision Information

: (M)SDS sections updated: All (format change)

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for:Safetec of America, Inc.
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