

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: TRANSENE COMPANY, INC.
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EMERGENCY NO. 1-800-424-9300 CHEMTREC

MATERIAL NAME: **SILVER ETCHANT TFS**

REVISED: June 2019

CHEMICAL FAMILY: 12 complex aqueous solution
Product Number: 060-00150SI

SECTION 2. HEALTH HAZARD INFORMATION

GHS Classifications

H300 Acute toxicity Oral : Category 4
H316 Skin corrosion / Skin irritation : Category 3
H320 Serious eye damage / Eye irritation : Category 2B
H373 Special target organ systemic toxicity repeated exposure : Category 2
H402 Acute aquatic environmental hazards : Category 3

Pictograms or Hazard symbols



Signal Word: Warning
Harmful if swallowed.
Causes mild skin irritation.
Causes eye irritation.
Harmful to aquatic life.
May cause damage to endocrine or gastrointestinal system through prolonged or repeated exposure.

Precautionary Statements

P260 Do not breathe dusts or mist.
P264 Wash thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P273 Avoid release to the environment.
P301 + P310 If swallowed, immediately call a physician.
P305 + P351 + P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue using.
P314 Get medical advice/attention if you feel unwell.
P330 Rinse mouth.
P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists, get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Material		Wt %
Iodine	CAS# 7553-562	2-4
Potassium Iodide	CAS# 7681-11-0	40-45
Water		51-58
Total		100

SECTION 4. FIRST AID MEASURES

EFFECTS OF OVEREXPOSURE

FIRST AID:

Eye Contact: Irritant to naked eye; in case of contact flush eyes well for 15 minutes, lifting the lower and upper eyelids occasionally.

Skin Contact: Obtain medical attention: Irritant to exposed skin. Flush skin well with water for 15 minutes, wash with soap and water. Remove affected clothing, get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. Seek medical attention.

Ingestion: Give water or milk to drink. Induce vomiting if medical help is not immediately available. Never give anything by mouth to an unconscious person. Get Medical Attention immediately.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point and Method	Autoignition Temp.	Flammability Limits In Air	<u>LOWER</u>	<u>UPPER</u>
non-flammable	NA		NA	NA

Extinguishing media: Water spray or fog, carbon dioxide and dry chemical! anything suitable for surroundings Water may cause frothing! Wear chemically retardant gear and NIOSH approved

Special fire fighting procedures: self-contained breathing apparatus. Thermal decomposition produces toxic fumes. Contact with oxidizing reagents may cause extremely violent combustion.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILLS, LEAKS: Ventilate area of leak or spill. Clean up personnel should wear protective clothing and NIOSH approved respirator. Dike and cover the contaminated areas with sodium sulfite or sodium thiosulfite. Neutralize slurry with soda ash. Neutralized waste may be transferred to a closed container and sent to an approved waste disposal facility.

SECTION 7. HANDLING AND STORAGE

Storage & Handling Information Store below 80 degrees F. Store in a cool dry place. Do not store near incompatible products or open flame. Store away from direct sunlight.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Inhalation: Highly irritant to the mucous membranes and respiratory tract. Excessive tears, rhinitis, tightness in the chest, sore throat, headache and delayed pulmonary edema

can result.

Skin contact: The crystalline form or strong solutions are severe skin irritants. Lesions resemble thermal burns.

Eye contact: Vapors severely irritate the eyes. Cause tearing and inflammation of the eyelids.

Chronic exposure: May cause insomnia, conjunctivitis, inflammation of the nasal mucous, bronchitis, tremor, rapid heart beat, diarrhea and weight loss. Allergic sensitization can occur.

Aggravation of pre-existing conditions: Person with pre-existing skin disorders, eye problems, impaired respiratory function or disease of the thyroid, lungs or kidney may be more susceptible to the effects of the substance.

Test data: There is no test data for this product. Composition test data:

Iodine : LD_{LO} : 28mg/Kg (Humanity, Oral)

LC_{LO}: 137ppm/1H (mouse, Inhalation)

Potassium Iodide : LD₅₀ : 2279mg/Kg (mouse, Oral)

SECTION 12. ECOLOGICAL INFORMATION

Persistence/degradability : No test data found.

Bioaccumulation : There is no evidence of bioaccumulation.

Ecotoxicity : There is no test data for this product. Composition information:

Potassium Iodide : LC₅₀(fish) : 8960mg/L/96h

Iodine : LC₅₀(fish) : 0.1mg/196h

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose of in accordance with all federal state and local regulations. Send waste to an approved waste disposal facility.

SECTION 14. TRANSPORTATION INFORMATION

UN/No : Non-regulated/non-restricted.

SECTION 15. REGULATORY

SARA Title III Hazard Classes:

Fire Hazard--No

Release of Pressure--No

Acute Health Hazard--No

SECTION 16. OTHER INFORMATION

NFPA Codes:
Health: 2
Flammability: 0
Reactivity: 0
Other: N/A

ADDENDUM TO MATERIAL SAFETY DATA SHEET
REGULATORY STATUS

THIS ADDENDUM MUST NOT BE
DETACHED
FROM THE MSDS ALUMINUM ETCH
TYPE D

IDENTIFIES SARA 313 SUBSTANCE(S)

Any copying or distribution of the MSDS must
include a copy of this addendum
(Chem.Key:PHACD)

HAZARD CATEGORIES FOR SARA

Section 311/312 Reporting

<u>Acute</u> X	<u>Chronic</u> X	<u>Fire</u>	<u>Pressure</u>	<u>Reactive</u> X
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Product or Components Of Products	SARA EHS Sect. 302		SARA Section 313 Chemicals		CERCLA Sec. 103	RCRA Section 261.33
	RQ (lbs.)	TPQ (lbs.)	Name List	Chemical Category	RQ (lbs.)	
IODINE (7553-56-2)	No	No	No	No	No	No

SARA Section 302 EHS RQ: Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.
SARA Section 302 EHS TPQ: Threshold Planning Quantity of Extremely Hazardous Substance. An asterisk (*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity + 10,000 LBS.
SARA Section 313 Chemicals: Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.
CERCLA Sec 103: Comprehensive Environmental Response, Compensation and Liability Act (Superfund). Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center (800-424-8802); Listed at 40 CFR 302.4
RCRA: Resource Conservation and Reclamation Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33

Effective Date 11-1-02 Supersedes 9-5-85

IODINE

