

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Product SP-43X

PRODUCT USE Corrosion Inhibitor

COMPANY MAILING ADDRESS Special Products
P.O. Box 27727
Houston, TX, 77227
USA

EMERGENCY TELEPHONE NUMBERS 24 HRS. 1-800-424-9300 (CHEMTREC)
1-703-527-3887 (CHEMTREC - International)
1-613-996-6666 (CANUTEC - Canada)
1-281-431-2561 (Special Products)

2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	CAS-NO.	WEIGHT %
Methanol	67-56-1	10.0 - 30.0
C10 - C16 Ethoxylated Alcohol	68002-97-1	10.0 - 30.0
Isomeric Aromatic Ammonium Salt	Proprietary	5.0 - 10.0
Petroleum naphtha	64741-68-0	5.0 - 10.0
Light aromatic solvent naphtha	64742-95-6	5.0 - 10.0
2-substituted Aromatic Amine Salt	Proprietary	1.0 - 5.0
Kerosene	8008-20-6	1.0 - 5.0
Hydrotreated light distillates	64742-47-8	1.0 - 5.0
Kerosine (petroleum), hydrodesulfurized	64742-81-0	1.0 - 5.0
Isopropyl Alcohol	67-63-0	1.0 - 5.0
1,2,4-Trimethylbenzene	95-63-6	1.0 - 5.0
1,3,5-Trimethylbenzene	108-67-8	0.1 - 1.0
Diethylbenzene	25340-17-4	0.1 - 1.0
Cumene	98-82-8	0.1 - 1.0
Xylene	1330-20-7	0.1 - 1.0
Formaldehyde	50-00-0	0.1 - 1.0
Naphthalene	91-20-3	0.1 - 1.0

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW WARNING!

APPEARANCE & ODOR	Brown, Liquid , Acrid
HEALTH HAZARDS	Harmful, Irritant
PHYSICAL HAZARDS	Flammable, Material may be ignited by heat, sparks or flames.
ENVIRONMENTAL HAZARDS	Dangerous for the environment
CARCINOGENICITY	This product contains a component or components which may cause cancer. See Section 11 for details.

HEALTH HAZARDS

SKIN	Irritating to skin.
EYE	Irritating to eyes.
INHALATION	Irritating to respiratory system.
INGESTION	Harmful if swallowed.

POTENTIAL ENVIRONMENTAL EFFECTS Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

SKIN	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
EYE	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
INHALATION	Move to fresh air. If symptoms persist, call a physician.
INGESTION	Obtain medical attention. Immediately give large quantities of water to drink. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

FLASH POINT	74 °F (23 °C) PMCC
EXTINGUISHING MEDIA	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
SPECIAL HAZARDS	Vapors are heavier than air and may travel considerable distance along the ground or be moved by ventilation to ignition sources. Empty product containers may contain product residue. Do not pressurize, cut, heat, weld or expose containers to flame or other sources of ignition.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS	Wear positive-pressure self-contained breathing apparatus (SCBA) and full protective fire fighting gear. Equipment should be thoroughly decontaminated after use.
HAZARDOUS COMBUSTION PRODUCTS	Combustion products may include carbon monoxide, carbon dioxide and nitrogen oxides.
FIRE FIGHTING / FURTHER ADVICE	Evacuate area and fight fire from safe distance. Use water spray to cool fire exposed structures and to protect personnel. Shut off source of flow if possible. If a leak or spill has not ignited, use water spray to disperse the vapors.

6. ACCIDENTAL RELEASE MEASURES

CLEAN UP METHODS	Eliminate all ignition sources. No flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Liquids may need to be neutralized before collection begins. Take up spill with sand or other noncombustible absorbent material and place in containers for later disposal. Always wear proper personal protective equipment when addressing spill or leak.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering drains (waterways). Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

7. HANDLING AND STORAGE

GENERAL PRECAUTIONS Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing vapor. Use only with adequate ventilation. Keep away from heat and sources of ignition. Take precautionary measures against static discharges.

STORAGE Keep container closed when not in use. Store in cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

NAME	SOURCE	TYPE	PPM	MG/M3	NOTATION
Methanol	ACGIH	STEL SKIN	250		*
	NIOSH	REL	200	260	
		STEL SKIN	250	325	*
	OSHA ACGIH	PEL TWA	200 200	260	
Kerosene	ACGIH	TWA SKIN		200	FNT P *
	NIOSH	REL		100	
Hydrotreated light distillates	ACGIH	TWA SKIN		200	FNT P *
	NIOSH	REL		100	
	ACGIH	TWA SKIN		200	FNT P *
Kerosine (petroleum), hydrodesulfurized	ACGIH	TWA SKIN		200	FNT P *
	NIOSH	REL		100	
Isopropyl Alcohol	NIOSH	REL	400	980	
		STEL	500	1,225	
	OSHA ACGIH	PEL TWA STEL	400 200 400	980	
	1,2,4-Trimethylbenzene	NIOSH	REL	25	125
ACGIH		TWA	25		
1,3,5-Trimethylbenzene	NIOSH	REL	25	125	
	ACGIH	TWA	25		
Diethylbenzene	WEEL	TWA	5		

Cumene	ACGIH	TWA	50		
	NIOSH	REL	50	245	
		SKIN			*
	OSHA	PEL	50	245	
		SKIN			*
Xylene	ACGIH	TWA	100		
		STEL	150		
	OSHA	TWA	100	435	
		PEL	100	435	
		STEL	150	655	
	NIOSH	REL	100	435	
		STEL	150	655	
Formaldehyde	ACGIH	Ceiling	0.3		
	NIOSH	REL	0.016		
		Ceiling	0.1		
	OSHA	TWA	0.75		
		STEL	2		
		Action	0.5		
NIOSH	REL	0.016			
		Ceiling	0.1		
Naphthalene	ACGIH	TWA	10		
		STEL	15		
		SKIN			*
	NIOSH	REL	10	50	
		STEL	15	75	
	OSHA	PEL	10	50	

* = Can be absorbed through the skin.

ENGINEERING MEASURES Provide general and/or local exhaust ventilation, process enclosures or other engineering controls to control airborne levels below exposure guidelines.

RESPIRATORY PROTECTION When respiratory protection is required, use an approved air purifying respirator or positive-pressure supplied-air respirator depending on potential airborne concentration.

HAND PROTECTION Wear chemical-resistant gloves to prevent skin contact. Glove/protective clothing suppliers can provide recommendations for your specific applications. Wash immediately if skin is contaminated. Good personal hygiene practices such as properly handling contaminated clothing, using wash facilities before eating, drinking or smoking are essential for preventing personal chemical contamination. Contaminated gloves should be replaced.

EYE PROTECTION Use chemical splash goggles, safety glasses and/or face shield. An emergency eye wash fountain should be located in immediate work area.

BODY PROTECTION A safety shower should be located in the immediate work area. Remove contaminated clothing, wash skin with soap and water and launder clothing before reuse or dispose of properly.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	Liquid
COLOR	Brown
ODOR	Acrid
ODOR THRESHOLD	Not available
BOILING POINT	Not available
POUR POINT	<= -35 °F (<= -37 °C)
FLASH POINT	74 °F (23 °C) PMCC
LOWER EXPLOSION LIMIT	Not available
UPPER EXPLOSION LIMIT	Not available
AUTOIGNITION TEMPERATURE	Not available
EVAPORATION RATE	Not available
pH	3.0 - 6.0
SOLUBILITY	Oil
RELATIVE VAPOR DENSITY (AIR = 1)	Not available
SPECIFIC GRAVITY (H₂O = 1)	0.9488 - 0.9788 @ 60 °F (16 °C)
VAPOR PRESSURE	Not available
VISCOSITY	10 - 14 cPs
PARTITION COEFFICIENT (N-OCTANOL/WATER)	Not available

10. STABILITY AND REACTIVITY

STABILITY	Stable
CONDITIONS TO AVOID	Open flames, Sparks
MATERIALS TO AVOID	Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of carbon, nitrogen, and sulfur, Hydrogen chloride
HAZARDOUS POLYMERIZATION	Will not occur

11. TOXICOLOGICAL INFORMATION

No data is available on the product itself.

SUBSTANCE	SOURCE	GROUP	LIST ATTRIBUTE
CARCINOGENICITY			
Kerosene	ACGIH	Group A3	Confirmed animal carcinogen with unknown relevance to humans. Classification not possible from current data.
	IARC	3	
Hydrotreated light distillates	ACGIH	Group A3	Confirmed animal carcinogen with unknown relevance to humans.

	IARC	3	Classification not possible from current data.
Kerosine (petroleum), hydrodesulfurized	ACGIH	Group A3	Confirmed animal carcinogen with unknown relevance to humans.
	IARC	3	Classification not possible from current data.
Isopropyl Alcohol	ACGIH	Group A4	Not classifiable as a human carcinogen.
Xylene	IARC	3	Classification not possible from current data.
	ACGIH	Group A4	Not classifiable as a human carcinogen.
Formaldehyde	ACGIH		Sensitiser.
	ACGIH	Group A2	Suspected human carcinogen.
	NTP CARC		Anticipated carcinogen.
	OSHA		Potential cancer hazard.
	IARC	1	Human carcinogen.
Naphthalene	ACGIH	Group A4	Not classifiable as a human carcinogen.
	IARC	2B	Possible carcinogen.
	NTP CARC		Anticipated carcinogen.

TARGET ORGAN TOXICITY

Methanol Ingestion may cause blindness.

12. ECOLOGICAL INFORMATION

No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

ADVICE ON DISPOSAL Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

Refer to the bill of lading or container label for DOT or other transportation hazard classification. Additionally, be aware that shipping descriptions may vary based on mode of transport, shipment volume or weight, container size or type, and/or origin and destination. Consult your company's Hazardous Materials / Dangerous Goods expert or your legal counsel for information specific to your situation.

15. REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

SARA HAZARD CATEGORY 1 - Acute, 2 - Chronic, 3 - Fire

CERCLA

SUBSTANCE	REPORTABLE QUANTITY
Methanol	5000 lbs
Cumene	5000 lbs
Xylene	100 lbs
Formaldehyde	100 lbs
Naphthalene	100 lbs

TSCA

This product contains a substance subject to TSCA Section 12(b) Export Notification Requirements. The exporter must submit a notice to the USEPA in accordance with 40 CFR Part 707.

STATE REGULATORY STATUS

CALIFORNIA PROPOSITION 65

KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Formaldehyde	0.1536%
Naphthalene	0.1071%
Ethylbenzene	< 0.0005%
Benzene	< 0.0001%
Ethylene oxide	< 0.0001%

KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

Toluene	< 0.0023%
Benzene	< 0.0001%
Ethylene oxide	< 0.0001%

STATE RIGHT TO KNOW

NEW JERSEY RIGHT-TO-KNOW CHEMICAL LIST

Cumene
Ethylbenzene
Ethylene oxide
Formaldehyde
Isopropyl Alcohol
Methanol
Naphthalene
Toluene
1,2,4-Trimethylbenzene
Xylene
Benzene

MASSACHUSETTS RIGHT-TO-KNOW CHEMICAL LIST

Kerosine (petroleum), hydrodesulfurized
1,3,5-Trimethylbenzene
Benzene
Xylene
1,2,4-Trimethylbenzene
Toluene
Naphthalene
Methanol
Kerosene
Isopropyl Alcohol
Hydrotreated light distillates
Formaldehyde
Ethylene oxide
Ethylbenzene
Cumene

PENNSYLVANIA RIGHT-TO-KNOW CHEMICAL LIST

Kerosine (petroleum), hydrodesulfurized
 1,3,5-Trimethylbenzene
 Benzene
 Xylene
 1,2,4-Trimethylbenzene
 Toluene
 Naphthalene
 Methanol
 Kerosene
 Isopropyl Alcohol
 Hydrotreated light distillates
 Formaldehyde
 Ethylene oxide
 Ethylbenzene
 Cumene

INVENTORY STATUS

NOTIFICATION STATUS

TSCA

Listed or Exempt

16. OTHER INFORMATION

NFPA RATING

HEALTH	2
FLAMMABILITY	3
INSTABILITY	0

Prepared By: Product Stewardship
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The data and information contained herein are being furnished for informational purposes only, upon the express condition that each customer shall make its own assessment of appropriate use and appropriate shipping, transfer and storage materials and procedures for Special Products. Although based on information sources which Special Products considers accurate and reliable, Special Products makes no warranty, either express or implied, including any warranties or merchantability or fitness for a particular purpose, regarding the validity of this information, the information sources upon which the same are based, or the results to be obtained, and expressly disclaims liabilities for damages or injuries resulting from the use thereof.