




Material Safety Data Sheet

Version 3

Issuing Date: 08-Jan-2015

Anti Static Gel Reducer

NFPA	HMIS		PPE	
	HEALTH	2*		
	FLAMMABILITY	2		
	PHYSICAL HAZARD	0		
	Personal Protection	B		

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Anti Static Gel Reducer

Product Code 120503

Supplier: Viscosity modifier.

ITW Trans Tech
 475 N. Gary Avenue
 Carol Stream, IL 60188
 USA

www.itwtranstech.com
 Telephone:630-752-4000

24 hr emergency phone: InfoTrac 352-323-3500

2. HAZARDS IDENTIFICATION

WARNING FLAMMABLE LIQUID

Aspiration hazard if swallowed - can enter lungs and cause damage
 Vapors may be irritating to eyes, nose, throat, and lungs
 May cause central nervous system depression

Appearance cream**Physical State @20°C** Liquid**Odor** Aromatic**OSHA Regulatory Status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects**Principle Routes of Exposure**

Inhalation, Skin contact, Eye contact.

Acute toxicity**Eyes**

Moderately irritating to the eyes.

Skin

Irritating to skin.

Inhalation

Inhalation of vapors in high concentration may cause irritation of respiratory system. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. May be harmful if inhaled.

Ingestion

Harmful: may cause lung damage if swallowed. Potential for aspiration if swallowed. Ingestion may cause irritation to mucous membranes.

Chronic Effects**Chronic toxicity**

May cause adverse liver effects.

Aggravated Medical Conditions

Central nervous system. Preexisting eye disorders. Blood disorders. Liver disorders. Skin disorders. Respiratory disorders.

Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

Environmental hazard

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. See Section 12 for additional Ecological Information.

Canada**WHMIS Statement**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

B3 Combustible liquid
 D2B Toxic materials



3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Solvent naphtha, light aromatic	64742-95-6	40-60%
1,2,4-Trimethylbenzene	95-63-6	20-40%
Methoxypropanol	107-98-2	3-7%
Xylene	1330-20-7	0.5-1.5%
Cumene	98-82-8	0.5-1.5%
Crystalline silica, quartz	14808-60-7	0.1-1%

4. FIRST AID MEASURES

General advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
Eye contact	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.
Skin contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Combustible liquid. Flammable liquid.
Flash point	113 °F / 45 °C
Suitable Extinguishing Media	Dry chemical, Carbon dioxide (CO ₂), Water spray, Alcohol resistant foam.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Hazardous Combustion Products	Carbon monoxide. Carbon dioxide (CO ₂).
<u>Explosion Data</u>	
Sensitivity to Mechanical Impact	none
Sensitivity to Static Discharge	Yes
Specific hazards arising from the chemical	Flammable. Will be easily ignited by heat, sparks or flames.
Protective Equipment and Precautions for Firefighters	Move containers from fire area if you can do it without risk.

NFPA	Health Hazard 2	Flammability 2	Stability 0	Physical and chemical hazards - Personal protection B
HMIS	Health Hazard 2*	Flammability 2	Physical Hazard 0	

*Indicates a chronic health hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes or clothing.
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods for Containment	A vapor suppressing foam may be used to reduce vapors.
Methods for cleaning up	Cover liquid spill with sand, earth or other noncombustible absorbent material. Pick up and transfer to properly labeled containers. Use personal protective equipment. Take precautionary measures against static discharges. Pay attention to flashback. Use only non-sparking tools. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.
Other information	Water spray may reduce vapor; but may not prevent ignition in closed spaces.

7. HANDLING AND STORAGE

Advice on safe handling	Wear personal protective equipment. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Ensure adequate ventilation.
Technical measures and storage conditions	Keep away from heat and sources of ignition. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA - Workplace Environmental Exposure Levels (WEELs) - TWAs
1,2,4-Trimethylbenzene			TWA: 25 ppm TWA: 125 mg/m ³	
Methoxypropanol	STEL: 100 ppm TWA: 50 ppm	(vacated) TWA: 100 ppm (vacated) TWA: 360 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 540 mg/m ³	TWA: 100 ppm TWA: 360 mg/m ³ STEL: 150 ppm STEL: 540 mg/m ³	
Xylene	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m ³		
Cumene	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 245 mg/m ³ (vacated) S* S*	IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m ³	

Crystalline silica, quartz	TWA: 0.025 mg/m ³ respirable fraction	(vacated) TWA: 0.1 mg/m ³ respirable dust : (30)/(%SiO ₂ + 2) mg/m ³ TWA total dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust	
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Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures Ventilation systems

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles. Face-shield.

Skin and body protection Wear protective gloves/clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	cream	Odor	Aromatic
Odor Threshold	Not available	Physical State @20°C	Liquid
pH	Not available	Molecular Weight	Not available
Specific Gravity	0.93	Autoignition temperature	Not available
Flash point	113 °F / 45 °C	Melting point / melting range	Not available
Boiling point / boiling range	248 °F / 120 °C		
Flammability Limit in Air		Explosive Property Details	Not available
upper 7.5		Partition coefficient	Not available
Lower 0.7		Vapor Pressure	4.0 mm/Hg @ 20 C
Oxidizing Properties	Not available	Density	Not available
Water Solubility	Insoluble in water	Actual VOC (lb/gal)	6.78
Evaporation rate	Not available	VOC (g/l)	Not available
Vapor density	Not available		
Weight per Gallon (lbs)	7.75		
VOC (lb/gal)	Not available		
Dynamic viscosity	Not available		
VOC Content California			
VOC Content of Material		814 grams per liter	
VOC Content of Coating less Water and Exempt Solvents		814 grams per liter	

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions.

Incompatible Materials Strong oxidizing agents, strong acids, and strong bases. Strong oxidizing agents.

Conditions to Avoid Heat (temperatures above flash point), sparks, ignition points, flames, static electricity. Heat, flames and sparks.

Hazardous Decomposition Products Carbon oxides.

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Product Information

Irritation

Eyes

Moderately irritating to the eyes.

Skin

Irritating to skin.

Inhalation

Inhalation of vapors in high concentration may cause irritation of respiratory system. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. May be harmful if inhaled.

Sensitization

None known.

Mutagenic Effects

None known.

Reproductive Toxicity

None known.

Teratogenicity

None known.

Chronic toxicity

May cause adverse liver effects.

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
Solvent naphtha, light aromatic		> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
1,2,4-Trimethylbenzene	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m ³ (Rat) 4 h
Methoxypropanol	= 5200 mg/kg (Rat)	= 13 g/kg (Rabbit)	= 54.6 mg/L (Rat) 4 h
Xylene	= 4300 mg/kg (Rat)		47635 mg/L (Rat) 4 h 5000 ppm (Rat) 4 h
Cumene	= 1400 mg/kg (Rat)	= 12300 µL/kg (Rabbit)	20 - 40 mg/L (Rat) 6 h
Crystalline silica, quartz	500 mg/kg (Rat)		

Chronic toxicity

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Cumene		Group 2B		
Crystalline silica, quartz	A2	Group 1	Known	X

ACGIH: (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen
A4 - Not Classifiable as a Human Carcinogen

NTP: (National Toxicity Program)

Known - Known Carcinogen
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1: Carcinogenic to humans
Group 2A: Probably carcinogenic to humans
Group 2B: Possibly carcinogenic to humans
Group 3: Not classifiable as to its carcinogenicity to humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Target Organ Effects

Blood, Central nervous system (CNS), Eyes, Liver, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Algae toxicity	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates

1,2,4-Trimethylbenzene		Pimephales promelas: 7.19 - 8.28 mg/L at 96 h	
Methoxypropanol		Pimephales promelas: 20.8 g/L at 96 h	
Xylene		Pimephales promelas: 13.4 mg/L at 96 h Pimephales promelas: 23.53 - 29.97 mg/L at 96 h	
Cumene		Pimephales promelas: 6.04 - 6.61 mg/L at 96 h	7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static

Bioaccumulation

Chemical Name	Octonol Water Partition Coefficient (log pow)
1,2,4-Trimethylbenzene	3.63
Methoxypropanol	-0.437
Xylene	2.77 - 3.15
Cumene	3.55

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261), Dispose of in accordance with all applicable national environmental laws and regulations, Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging

Do not re-use empty containers.

US EPA Waste Number

D001

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Reportable Quantity (RQ)	Xylenes isomers and mixture: RQ kg= 3026.67, Cumene: RQ kg= 11.35
Description	UN1210, Printing ink related material, 3, PGIII
Emergency Response Guide Number	129
Packaging Exceptions	150
Non-bulk Packaging	173
Bulk Packaging	242

TDG

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Description	UN1210, Printing ink related material, 3, PGIII

MEX

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Description	UN1210, Printing ink related material, 3, III

ICAO

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Description	UN1210, Printing ink related material, 3, PGIII

IATA

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
Description	UN1210, Printing ink related material, 3, PGIII

IMDG

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III
EmS-No	F-E, S-D
Description	UN1210, Printing ink related material, 3, PGIII

ADR/RID

Proper Shipping Name	Printing ink related material
UN/ID No	UN1210
Hazard Class	3
Packing Group	III

Classification Code F1
Description UN1210, Printing ink related material, 3, PGIII
ADR/RID-Labels 3

ADN

Proper Shipping Name Printing ink related material
UN/ID No UN1210
Hazard Class 3
Packing Group III
Classification Code F1
Description UN1210, Printing ink related material, 3, PGIII
Limited quantity LQ7
Ventilation VE01

15. REGULATORY INFORMATION**International Inventories**

Chemical Name	TSCA	TSCA - Section 5	TSCA - Section 4	TSCA 12(b)	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	AICS
Solvent naphtha, light aromatic	X				X		X		X	X	X	X
1,2,4-Trimethylbenzene	X				X		X		X	X	X	X
Methoxypropanol	X				X		X		X	X	X	X
Xylene	X				X		X		X	X	X	X
Cumene	X				X		X		X	X	X	X
Crystalline silica, quartz	X				X		X		X	X	X	X

ROHS Formulated to comply

ASTM F-963 Formulated to comply

EN-71 Formulated to comply

CHPA Formulated to comply

CONEG Formulated to comply

REACH/SVHC Formulated to comply

CPSIA Formulated to comply

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %

1,2,4-Trimethylbenzene	1.0
Cumene	1.0
Xylene	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene	100 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Xylene	100		RQ 100 lb final RQ RQ 45.4 kg final RQ
Cumene	5000		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Cumene	Carcinogen
Crystalline silica, quartz	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
1,2,4-Trimethylbenzene	X	X	X	X	
Methoxypropanol	X	X	X	X	X
Xylene	X	X	X	X	X
Cumene	X	X	X	X	X
Crystalline silica, quartz	X	X	X	X	X

International Regulations**Mexico - Grade**

Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Xylene		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m ³ Mexico: STEL 150 ppm Mexico: STEL 655 mg/m ³
Cumene		Mexico: TWA 50 ppm Mexico: TWA 245 mg/m ³ Mexico: STEL 75 ppm Mexico: STEL 365 mg/m ³
Crystalline silica, quartz		Mexico: TWA 0.1 mg/m ³

16. OTHER INFORMATION

Prepared By ITW Trans Tech

Revision Date 08-Jan-2015

Revision Note No information available.

Disclaimer **The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**



Trusted Partner for Your Product Decorating Needs

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