

Safety Data Sheets

Library



Sunizona

11/20/2018



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TAT STAMPER (Quick Dry) Multipurpose Color: (Green) XQT-1342C,XQT-6C,XQT-11C,XQT-16C,XQT-30C, REFILLS INK (Quick Dry) Multipurpose Color : (Green) XQTR-20-SG (XQTR-20-SG-G) - TAT STAMPER (Quick Dry) Multipurpose Color: (Green) XQT-1342C,XQT-6C,XQT-11C,XQT-16C,XQT-30C, REFILLS INK (Quick Dry) Multipurpose Color : (Green) XQTR-20-SG (XQTR-20-SG-G)		Shachihata Inc.	02/04/2013	30



SAFETY DATA SHEET

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ABC Dry Chemical Fire Extinguishant
Other Identifiers: Multi-purpose Dry Chemical
Product Code(s): CH555, F13, F11
Model Code(s) of Extinguishers: 402, IS 18ABC, IS35ABC, IS 45ABC, 13ABC, V25ABC, VH25ABC, V30ABC, VH30ABC, V50ABC, VS50ABC, VS75ABC, V250ABC
Recommended Use: Fire suppression, not for human or animal drug use.
Manufacturer: AMEREX CORPORATION
Internet Address: www.amerex-fire.com
Address: 7595 Gadsden Highway, P.O. Box 81
Trussville, AL 35173-0081
Company Telephone: (205) 655-3271
E-mail Address: info@amerex-fire.com
Emergency Contacts: Chemtrec 1(800) 424-9300 or (703) 527-3887
Revised: March 13, 2018

Section 2. HAZARDS IDENTIFICATION

GHS – Classification

Health	Environmental	Physical
Acute Toxicity: Category 5	None	None
Skin Corrosion/Irritation: Category 3	None	None
Skin Sensitization: NO	None	None
Eye: Category 2A	None	Warning
STOT – Category 3	None	Warning
Carcinogen: Category None	None	None

GHS – Label Symbol(s):



If Pressurized: Gas Under Pressure



GHS – Words(s):

Warning

Other Hazards Not Resulting in Classification: Mica may contain small quantities of quartz (crystalline silica). Prolonged exposure to respirable crystalline silica dust at concentrations exceeding the occupational exposure limits may increase the risk of developing a disabling

lung disease known as silicosis. IARC found limited evidence for pulmonary carcinogenicity of crystalline silica in humans. In the case of normal use of this product, exposure to silica should be nil.

The attapulgite clay used in this product has a fiber length of less than 5µm; therefore, the clay is not considered to be carcinogenic in animals or humans.

GHS – Hazard Phrases

GHS Hazard	GHS Codes(s)	Code Phrase(s)
Physical	H229	*- Contents under pressure; may explode if heated.
Health	H303 315 319 335	May be harmful if swallowed Causes skin irritation Causes serious eye irritation May cause respiratory irritation
Environmental	None	
Precautionary:		
General	P101	If medical advice is needed, have product container or label at hand
Prevention	P251 261 264 280	Do not pierce or burn, even after use. Avoid breathing dust/fumes/gas/mist/vapours/spray. Wash exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P312 321 362 302+352 304+340 305+351+338 332+313 342+311 337+313	Call a doctor if you feel unwell. Specific treatment (see Section 4. First Aid Measures) Take off contaminated clothing. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If skin irritation occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a doctor. If eye irritation persists get medical advice/attention.
Storage	P410 +403	*- Protect from sunlight. Store in well-ventilated place.
Disposal	P501	Dispose of contents through a licensed disposal company. Contaminated container should be disposed of as unused product.

*- If under pressure

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No.	Weight %	Classification
Mono-ammonium phosphate	231-764-5	01-2119488166-29	7722-76-1	80-98	NA
Attapulgite clay	601-805-5	Not Available	12174-11-7	3-16	NA
Mica-potassium aluminum silicate	310-1276	Not Available	12001-26-2	1-2	NA
Silicone oil methyl hydrogen polysiloxane	613-152-3	Not Available	63148-57-2	<1	NA
Calcium carbonate	207-439-9	Not Available	1317-65-3	<1	NA
Amorphous silica precipitated synthetic zeolite	231-545-4	01-2119379499-16-0036	7631-86-9	<1	NA
Yellow 14 pigment – di-azo dye	226-789-3	Not Available	5468-75-7	<1	NA

Emergency overview:

Adverse health effects and symptoms:

Light yellow, fine solid powder, odorless.

Mild irritant to the respiratory system. Irritant to eyes, and skin. Symptoms may include coughing,

shortness of breath, and irritation of the lungs, eyes, and skin. Ingestion, although unlikely, may cause cramps, nausea and diarrhea.

Section 4. FIRST AID MEASURES

Eye Exposure:	May cause irritation. Irrigate eyes with water and repeat until pain free. Seek medical attention if irritation develops, or if vision changes occur.
Skin Exposure:	May cause skin irritation. In case of contact, wash with plenty of soap and water. Seek medical attention if irritation persists.
Inhalation:	May cause irritation, along with coughing. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if irritation persists.
Ingestion:	Overdose symptoms may include numbness or tingling in hands or feet, uneven heart rate, paralysis, feeling faint, chest pain or heavy feeling, pain spreading to the arm or shoulder, nausea, diarrhea, sweating, general ill feeling, or seizure (convulsions). If victim is conscious and alert, give 2-3 glasses of water to drink. If conscious, do not induce vomiting. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist.
Medical conditions possibly aggravated by exposure:	Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema, or bronchitis. Skin contact may aggravate existing skin disease. Chronic overexposure may cause pneumoconiosis ("dusty lung" disease).

Section 5. FIRE-FIGHTING MEASURES

Flammable Properties:	Not flammable
Flash Point:	Not determined
Suitable Extinguishing Media:	Non-combustible. Use extinguishing media suitable for surrounding conditions.
Hazardous Combustion Products:	Carbon oxides

Explosion Data:

Sensitivity to Mechanical Impact:

Not sensitive

Sensitivity to Static Discharge:

Not sensitive

Unusual fire/explosion hazards:

In a fire this material may decompose, releasing oxides of carbon, potassium and nitrogen (see Section 10).

Protective Equipment and

Precautions for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand. NIOSH (approved or equivalent) and full protective gear.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with skin, eyes, and clothing.

Personal Protective Equipment:

Minimum - safety glasses, gloves, and a dust respirator.

Emergency Procedures:

NA

Methods for Containment:

Prevent further leakage or spillage if safe to do so.

Methods for Clean Up:

Avoid dust formation; clean up released material using vacuum or wet sweep and shovel to minimize generation of dust. Bag and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

Other:

If product is contaminated, use PPE and containment appropriate to the nature of the most toxic chemical/material in the mixture.

Section 7. HANDLING AND STORAGE

Personal Precautions:

Use appropriate PPE when handling or maintaining equipment, and wash thoroughly after handling (see Section 8).

Conditions for Safe Storage:

Keep product in original container or extinguisher. Contents may be under pressure – inspect for extinguisher rust periodically to ensure container integrity.

Incompatible Products:

Do not mix with other extinguishing agents, particularly potassium bicarbonate and sodium bicarbonate. Incompatible with strong oxidizing agents and strong acids. Do not store in high humidity. Do not combine with chlorine compounds.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	OSHA PEL	ACGIH TLV	DFG MAK *	EU BLV
Mono-ammonium phosphate	PNOC** Total dust, 15 mg/m ³ Respirable fraction, 5 mg/m ³	PNOC Total dust, 10 mg/m ³ Respirable fraction, 3 mg/m ³	PNOC Total dust, 4 mg/m ³ Respirable fraction, 1.5 mg/m ³	NA
Mica	6 mg/m ³	3 mg/m ³	-----	NA
Attapulgate clay	PNOC** Total dust, 15 mg/m ³ Respirable fraction, 5 mg/m ³	PNOC Total dust, 10 mg/m ³ Respirable fraction, 3 mg/m ³	PNOC Total dust, 4 mg/m ³ Respirable fraction, 1.5 mg/m ³	
Silicone oil	NR**	NR		
Calcium carbonate	PNOC Total dust, 15 mg/m ³ Respirable fraction, 5 mg/m ³	PNOC Total dust, 10 mg/m ³ Respirable fraction, 3 mg/m ³	-----	NA
Amorphous silica	20mppcf 80 mg/m ³ or % SiO ₂	10 mg/m ³	4 mg/m ³	NA
Yellow 14 pigment	NR	NR	NR	NA

*German regulatory limits **PNOC = Particulates not otherwise classified (ACGIH) also known as Particulates not otherwise regulated (OSHA) *** NR = Not Regulated. All values are 8 hour time weighted average concentrations.

Engineering Controls:

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment – PPE Code E:

The need for respiratory protection is not probable during short-term exposure. During production, the manufacturer should use judgement concerning the need for PPE.



Eye/Face Protection:
Skin and Body Protection:
Respiratory Protection:

Tightly fitting safety goggles
Wear protective gloves/coveralls
If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn. Use P100 respirators for limited exposure. Use air-purifying respirator (APR) with high efficiency particulate air (HEPA) filters for prolonged

exposure. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. The need for respiratory protection is not likely for short-term use in well ventilated areas.

Hygiene Measures:

Good personal hygiene practices essential, such as avoiding food, tobacco products, or other hand-to-mouth contact when handling. Wash thoroughly after handling.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellow powder, finely divided odorless solid
Molecular Weight:	NH ₄ H ₂ PO ₄ : 115.03
Odor:	Odorless
Odor Threshold:	No information available
Decomposition Temperature °C:	100 - 120
Freezing Point °C:	No information available
Initial Boiling Point °C:	No information available
Physical State:	Crystalline Powder
pH:	Approximately 4.4 to 4.9
Flash Point °C:	None
Autoignition Temperature °C:	None
Boiling Point/Range °C:	No information available
Melting Point/Range °C:	NH ₄ H ₂ PO ₄ : 190
Flammability/Explosion Limits in Air °C:	Upper – None; Lower-None
Explosive Properties:	None
Oxidizing Properties:	None
Volatile Component (%vol)	Not applicable
Evaporation Rate:	No information available
Vapor Density:	No information available
Vapor Pressure:	NH ₄ H ₂ PO ₄ : 1.41 mm/Hg
Specific gravity at 25 °C:	NH ₄ H ₂ PO ₄ : 1.80
Solubility:	40.4 g/100 ml
Partition Coefficient:	NH ₄ H ₂ PO ₄ Est: -4.11
Viscosity:	No information available
NOTE: NH ₄ H ₂ PO ₄ – Monoammonium Phosphate	

Section 10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage and handling conditions.
Incompatibles:	Strong oxidizing agents; Strong acids; sodium hypochlorite and chlorine compounds. Protect from moisture
Conditions to Avoid:	Storage or handling near incompatibles.
Hazardous Decomposition Products:	Carbon, nitrogen, and potassium oxides. Heat of fire may release carbon monoxide.
Possibility of Hazardous Reactions:	None
Hazardous Polymerization	Does not occur

Section 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation, skin and eye contact.
Symptoms:	
Inhalation:	Irritation, coughing.
Eyes:	Irritation.
Skin:	Irritation.
Acute Toxicity:	Relatively non-toxic.
Chronic Toxicity:	
Short-term Exposure:	None known.
Long-term Exposure:	As with all dusts, pneumoconiosis, or "dusty lung" disease, may result from chronic exposure.

Acute Toxicity Values - Health

Chemical Name	LD50		LC50 (Inhalation)
	Oral	Dermal	
Mono-ammonium phosphate	5750 mg/kg (rat)	>7940 mg/kg (rabbit)	Not available
Mica	None	None	None
Attapulgate clay	None	None	None
Silicone oil	None	None	None
Calcium carbonate	6450 mg/kg (rat)	500 mg/24 hr (rabbit)	Not available
Amorphous silica	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	>2.2 mg/L (rat)
Yellow 14 pigment	>17000 mg/kg (rat)	>3000 mg/kg (rat)	>4448 mg/m3 (rat)

Reproductive Toxicity:	This product's ingredients are not known to have reproductive or teratogenic effects.
Target Organs and Effects (TOST):	Respiratory system (mild irritant). This product is a mild irritant to epithelial tissue, (eyes, mucous membranes, skin) and may aggravate dermatitis. No information was found indicating the product causes sensitization.

Other Toxicity Categories

Chemical Name	Germ Cell Mutagenicity	Carcinogenicity	Reproductive	TOST Single Exp	TOST Repeated Exp	Aspiration
Mono-ammonium phosphate	None	None	None	Cat 3	None	None
Attapulgate clay	None	None	None	None	None	None
Mica	None	None	None	None	None	None
Silicone oil	None	None	None	None	None	None
Calcium carbonate	None	None	None	None	None	None
Amorphous silica	None	None	None	None	None	None
Yellow 14 pigment	None	None	None	None	None	None

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Negative effects unknown. Provides nutrient nitrogen and phosphorus to plant life.
Persistence/Degradability:	Degrades rapidly in humid/wet environment.
Probability of rapid biodegradation:	NH ₄ H ₂ PO ₄ Est: 0.693 (Rapid); (NH ₄) ₂ SO ₄ : Est: 0.684 (Rapid)
Anaerobic biodegradation probability:	NH ₄ H ₂ PO ₄ Est: 0.398 (Slow); (NH ₄) ₂ SO ₄ : Est: 0.398 (Slow)
Bioaccumulation potential:	Low.
Bioconcentration factor:	NH ₄ H ₂ PO ₄ : 3.16 L/kg (wet weight) (Low BCF)
Bioaccumulation factor:	NH ₄ H ₂ PO ₄ : 63.04 L/kg (wet weight)
Mobility in soil:	Slow evaporation rate; water soluble, may leach to groundwater
Log Koc:	NH ₄ H ₂ PO ₄ Est: -1.25
Log Koa:	NH ₄ H ₂ PO ₄ Est: 16.72
Log Kaw:	NH ₄ H ₂ PO ₄ Est: -20.86
NOTE: NH ₄ H ₂ PO ₄ – Mono-ammonium Phosphate	

Other Adverse Ecological Effects: No other known effects at this time

Aquatic Toxicity Values – Environment – Research

Chemical Name	Acute (LC50)	Chronic (LC50)
Mono-ammonium phosphate	N/A	N/A
Mica	N/A	N/A
Attapulgate clay	N/A	N/A
Silicone oil	N/A	N/A
Calcium carbonate	N/A	N/A
Amorphous silica	N/A	N/A
Yellow 14 pigment	N/A	N/A

Aquatic Toxicity Values – Environment – Estimates

Chemical Name	Acute (LC50)	EC50
Mono-ammonium phosphate	2,91e+07 mg/L Fish 96 hr; 9.4e+06 mg/l Daphnid 48 hr;	6.70e+05 mg/L Gr. Algae 96 hr
Mica	N/A	N/A
Attapulgate clay	N/A	N/A
Silicone oil	N/A	N/A
Calcium carbonate	N/A	N/A
Amorphous silica	N/A	N/A
Yellow 14 pigment	N/A	N/A

Section 13. DISPOSAL CONSIDERATIONS

Safe Handling

Use appropriate PPE when handling, and wash thoroughly after handling (see Section 8).

Waste Disposal Considerations

Dispose in accordance with federal, state, and local regulations.

Contaminated Packaging

Dispose in accordance with federal, state, and local regulations.

NOTES:

This product is not a RCRA characteristically hazardous or listed hazardous waste. Dispose of according to state or local laws, which may be more restrictive than federal laws or regulations. Used product may be altered or contaminated, creating different disposal considerations.

Section 14. TRANSPORT INFORMATION

UN Number: NA

UN Proper Shipping Name: NA

Transport Hazard Class: NA

Packing Group: NA

Marine Pollutant?: NO

IATA Not regulated

DOT Not regulated

NOTES:

This product is not defined as a hazardous material under U.S. Department of Transportation (DOT) 49 CFR 172, or by Transport Canada "Transportation of Dangerous Goods" regulations.

Special Precautions for Shipping:

The transportation information above covers the ABC 555 dry chemical extinguisher agent as shipped in bulk containers and not when contained in fire extinguishers or fire extinguisher systems. If shipped in a stored pressure-type fire extinguisher, and pressurized with a non-flammable, non-toxic

inert expellant gas, the fire extinguisher is considered a hazardous material by the US Department of Transportation and Transport Canada. The proper shipping name shall be FIRE EXTINGUISHER and the UN designation is UN 1044. The DOT hazard class/division is LIMITED QUANTITY when pressurized to less than 241 psig and when shipped via highway or rail. UN Class 2.2. Non-Flammable Gas, when shipping via air. Packing Group – N/A

Section 15. REGULATORY INFORMATION

International Inventory Status: All ingredients are on the following inventories

Country(ies)	Agency	Status
United States of America	TSCA	Yes
Canada	DSL	Yes
Europe	EINECS/ELINCS	Yes
Australia	AICS	Yes
Japan	MITI	Yes
South Korea	KECL	Yes

REACH Title XVII Restrictions: No information available

Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names Are to be Indicated on Label	Pollution Release and Transfer Registry (Class II)	Pollution Release and Transfer Registry (Class I)	Poison and Deleterious Substances Control Law
Monoammonium Phosphate	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Component	ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA – Harmful Substances Requiring Permission	Toxic Chemical Classification Listing (TCCL) – Toxic Chemicals	Toxic Release Inventory (TRI) – Group I	Toxic Release Inventory (TRI) – Group II
Monoammonium Phosphate 7722-76-1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Attapulgate clay 12174-11-7 (>3)	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Mica-potassium aluminum silicate 120001-26-2 (>2)	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Calcium carbonate 471-34-1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Amorphous silica 69012-64-2	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Yellow 14 pigment 5468-75-7	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

European Risk and Safety phrases:

EU Classification: Xn - Irritant

R Phrases:	20	Harmful by inhalation.
	36/37/38	Irritating to eyes, respiratory system and skin.
S Phrases:	22	Do not breath dust.
	24/25	Avoid contact with skin and eyes
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	36	Wear suitable protective clothing.

U.S. Federal Regulatory Information:

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) - This product does not contain and chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

None of the chemicals in this product are under SARA reporting requirements or have SARA threshold planning quantities (TPQs) or CERCLA reportable quantities (RQs), or are regulated under TSCA 8(d).

SARA 311/312 Hazard Categories:

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
*-Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

* - Only applicable if material is in a pressurized extinguisher.

Clean Water/Clean Air Acts:

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42) or Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61) and Section 112 of the Clean Air Act Amendments of 1990.

U.S. State Regulatory Information:

Chemicals in this product are covered under specific State regulations, as denoted below:

Alaska - Designated Toxic and Hazardous Substances: None

California – Permissible Exposure Limits for Chemical Contaminants: None

Florida – Substance List: Mica Dust

Illinois – Toxic Substance List: None

Kansas – Section 302/303 List: None

Massachusetts – Substance List: Mica Dust

Minnesota – List of Hazardous Substances: None
Missouri – Employer Information/Toxic Substance List: None
New Jersey – Right to Know Hazardous Substance List: None
North Dakota – List of Hazardous Chemicals, Reportable Quantities: None
Pennsylvania – Hazardous Substance List: None
Rhode Island – Hazardous Substance List: Mica Dust
Texas – Hazardous Substance List: No
West Virginia – Hazardous Substance List: None
Wisconsin – Toxic and Hazardous Substances: None

California Proposition 65: No component is listed on the California Proposition 65 list.

Other:

Mexico – Grade	No component listed
Canada – WHMIS Hazard Class	No component listed

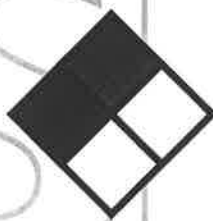
Section 16. OTHER INFORMATION

This SDS conforms to requirements under U.S., U.K., Canadian, Australian, and EU regulations or standards, and conforms to the proposed 2003 ANSI Z400.1 format.

Issuing Date	17-June-2012
Revision Date	13-March-2018
Revision Notes	None

The information herein is given in good faith but no warranty, expressed or implied, is made.
Updated by William F. Garvin, CIH.

MSDS



MATERIAL SAFETY DATA SHEET:

DEMCO® Norbond™ Liquid Plastic Adhesive



MATERIAL SAFETY DATA SHEET

Preparation Date: January 22, 2005

SECTION 1 - MATERIAL IDENTIFICATION

MANUFACTURED BY: U.S. Adhesives Company
1735 W. Carroll Ave.
Chicago, IL 60612

EMERGENCY NUMBER: 312-829-7438

PRODUCT CLASS: Modified Vinyl Acetate/ Homopolymer

MANUFACTURERS CODE: 1099-H

HMIS: Health 0 **Flammability: 0** **Reactivity: 0**

SECTION II - HAZARDOUS INGREDIENT

INGREDIENT	CAS NO.	PERCENT	TVL
Residual Monomers	108-05-4	Less than 0.5	10 ppm TWA

SECTION III - PHYSICAL DATA

BOILING POINT: 100⁰C

VAPOR DENSITY: Less than Air

EVAPORATION RATE H₂O= 1: of Water

SPEC. GRAV. (H₂O=1): 1.1

MELTING POINT: N/A

SOLUBILITY IN WATER: Dispersablel

APPEARANCE AND ODOR: White Liquid/Somewhat sweet

LG-600

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

FLAMMABILITY CLASSIFICATION: N/A

AUTOIGNITION TEMPERATURE: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

EXTINGUISHING MEDIA: Water, Carbon Dioxide, Dry Chemical Foam.

SPECIAL FIRE FIGHTING PROCEDURES:

When polymer burns, water (H₂O) carbon dioxide (CO₂), carbon monoxide (CO) and smoke are produced. Pyrolysis products may include such materials as acetic acid, acrolein and acetaldehyde and other unknown products. Masks to remove smoke and organic vapor from respirable air are recommended for use when fighting fires involving polymers. Do not re-use container for any purpose until commercially cleaned.

SECTION V - REACTIVITY DATA

STABILITY:

Stable at ambient temperatures. Coagulation may occur following freezing, thawing or boiling.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

If material is released or spilled, dam up to limit spreading. Mop up or absorb on inert material and place in containers. If spill occurs in enclosed area, ventilate.

WASTE, DISPOSAL METHOD:

Dispose of in accordance with Local, State, and Federal Regulations.

SECTION VII - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:

Has not been established

EFFECTS OF OVEREXPOSURE AND FIRST AID PROCEDURES:

Eye Contact:

This material may be an irritating to eyes:

Flush eye with water for at least 15 minutes. Consult a Physician if the irritation persists.

Skin:

This material may cause skin irritation of rash upon prolonged or repeated contact:

Wash affected area with mild Soap and Water.

Inhalation:

Inhalation of vapors may cause irritation in the respiratory track:

Remove to fresh air.

Ingestion:

No specific information identified.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: N/A in ventilated area.

PROTECTIVE GLOVES: Rubber gloves.

EYE PROTECTION: Splash-proof eye goggles.

OTHER PROTECTIVE WEAR: Wear protective clothing to prevent skin contact.

VENTILATION: General ventilation is recommended during normal use.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTION TO BE TAKEN IN HANDLING AND STORING:

Avoid breathing of vapors. Handle in well ventilated work space. Keep in cool, dry, ventilated storage and in closed containers. Avoid freezing temperatures during storage. Minimize contact with atmospheric air to prevent inoculation with microorganisms.

SECTION X - ADDITIONAL INFORMATION

EPA SARA TITLE III HAZARD CLASS: None

OSHA HCS HAZARD CLASS: (29CFR.910.1200) None

EPA SARA TITLE SECTION 313 (40CFR372) TOXIC CHEMICAL PRESENT IN QUANTITIES GREATER THAN THE "DE MINIMIS" LEVEL ARE: None

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

The conditions or methods handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.



Dust-Off Compressed Gas Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 10/15/2015

Revision date: 5/15/2018

Version: 2.0

SECTION 1: Identification

1.1. Product identifier

Substance name : Dust-Off Compressed Gas Duster
Product code : 3.5 oz., 7 oz., 10 oz., Professional 12 oz., Jumbo 17 oz., Classic and Plus

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

Use of the substance/mixture : Dust Removal

1.3. Details of the supplier of the safety data sheet

Falcon Safety Products, Inc.
25 ImClone Drive
Branchburg, NJ 08876 - USA
T (908) 707-4900

1.4. Emergency telephone number

Emergency number : (800) 498-7192

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US and GHS-CA classification

Flam. Aerosol 2
Press. Gas (Liquified Gas)

2.2. Label elements

GHS-US and GHS-CA labelling

Hazard pictograms (GHS-US/GHS-CA) :



GHS02

GHS04

Signal word (GHS-US/GHS-CA) : Warning
Hazard statements (GHS-US/GHS-CA) : Flammable aerosol. Contains gas under pressure; may explode if heated.
Precautionary statements (GHS-US/GHS-CA) : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.

2.3. Other hazards

Do not store in enclosed vehicle.

2.4. Unknown acute toxicity (GHS US/GHS CA)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substance

Name	Product identifier	%
1,1-Difluoroethane	(CAS No) 75-37-6	100

3.2. Mixture

Not applicable.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists. May cause frostbite.

Dust Off Compressed Gas Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

- | | |
|--------------------------------------|---|
| First-aid measures after eye contact | : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention. |
| First-aid measures after ingestion | : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. |

4.2. Most important symptoms and effects, both acute and delayed

- | | |
|--------------------------------------|---|
| Symptoms/injuries after inhalation | : May cause respiratory tract irritation. May cause drowsiness, dizziness and central nervous system depression. |
| Symptoms/injuries after skin contact | : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite on contact with the liquid. |
| Symptoms/injuries after eye contact | : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite on contact with the liquid. |
| Symptoms/injuries after ingestion | : Not a normal route of exposure. |

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

- | | |
|--------------------------------|---|
| Suitable extinguishing media | : Water spray, water fog, dry chemical, alcohol resistant foam, carbon dioxide. |
| Unsuitable extinguishing media | : None known. |

5.2. Special hazards arising from the substance or mixture

- | | |
|------------------|--|
| Fire hazard | : Flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon, hydrofluoric acid, carbonyl fluoride. |
| Explosion hazard | : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. |

5.3. Advice for firefighters

- | | |
|--------------------------------|---|
| Firefighting instructions | : DO NOT fight fire when fire reaches explosives. Evacuate area. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. |
| Protection during firefighting | : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- | | |
|------------------|---|
| General measures | : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. |
|------------------|---|

6.2. Methods and material for containment and cleaning up

- | | |
|-------------------------|--|
| For containment | : Ventilate the area thoroughly, especially low lying areas (basements, workpits etc). |
| Methods for cleaning up | : Leave the product to evaporate. Provide ventilation. |

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- | | |
|-----------------------------------|--|
| Additional hazards when processed | : Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use. Keep away from sources of ignition - No smoking. |
| Precautions for safe handling | : Do not spray on an open flame or other ignition source. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Provide local exhaust or general room ventilation. When using do not eat, drink or smoke. Prevent the build-up of electrostatic charge. Use non-sparking tools. |
| Hygiene measures | : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking. |

7.2. Conditions for safe storage, including any incompatibilities

- | | |
|--------------------|--|
| Technical measures | : Proper grounding procedures to avoid static electricity should be followed. |
| Storage conditions | : Keep out of the reach of children. Keep container dry and in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep in fireproof place. Store in original container. Do not store in enclosed vehicle. |

7.3. Specific end use(s)

Not available.

Dust Off Compressed Gas Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1,1-Difluoroethane (75-37-6)	
ACGIH	Not applicable.
OSHA	Not applicable.
NIOSH	Not applicable.
IDLH	Not applicable.

8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear suitable gloves.
Eye protection	: Safety glasses with side shields.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Appearance	: Clear
Color	: Colourless
Odor	: Slight, ether-like
Odor threshold	: No data available
pH	: Neutral
Melting point	: No data available
Freezing point	: No data available
Boiling point	: -13 °F (- 25 °C)
Flash point	: < 58 °F (<14.4 °C)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Flammable
Explosion limits	: 3.9-16.9
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: 5960 kPa at 77 °F (25 °C)
Relative density	: 0.91
Relative vapor density at 20 °C	: 2.4 at 77 °F (25 °C)
Specific gravity / density	: 0.9
Solubility	: Slightly
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available.

Dust Off Compressed Gas Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions. Flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials. Sources of ignition. Do not expose to temperatures exceeding 50 °C/ 122 °F.

10.5. Incompatible materials

Alkali and alkaline earth metals. Powdered metals. Powdered metallic salts.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon, hydrofluoric acid, carbonyl fluoride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Dust Off Compressed Gas Duster	
LD50 oral rat	1500 mg/kg
LD50 dermal rabbit	No data available
LC50 inhalation rat	64000 ppm

Skin corrosion/irritation	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Reproductive toxicity	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause respiratory tract irritation. May cause drowsiness, dizziness and central nervous system depression.
Symptoms/injuries after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite on contact with the liquid.
Symptoms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite on contact with the liquid.
Symptoms/injuries after ingestion	: Not a normal route of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Dust Off Compressed Gas Duster	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Dust Off Compressed Gas Duster	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

Dust Off Compressed Gas Duster

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible. Container under pressure. Do not drill or burn even after use.
- Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

- UN-No. (DOT) : UN1030
- Proper Shipping Name (DOT) : 1,1-Difluoroethane
- Transport hazard class(es) (DOT) : 2.1
- Hazard labels (DOT) :



- Packaging Exceptions : Falcon Safety Products has been granted a DOT special permit. A copy of DOT Special Permit SP-11516 can be obtained by calling Falcon Safety Products, Inc. at 908-707-4900.

Transportation of Dangerous Goods (TDG)

In accordance with TDG

- UN-No.(TDG) : UN1030
- Proper Shipping Name (TDG) : 1,1-Difluoroethane
- Class (TDG) : 2.1
- Hazard labels (TDG) :



- Packaging Exceptions : TDG Canada: Falcon Safety Products has been granted Equivalency Certificate SU 9211 (ren. 1) by the TCSS, TDGD to offer for transport by road, rail and marine.

Transport by sea

- UN-No. (IMDG) : UN1030
- Proper Shipping Name (IMDG) : 1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)
- Class (IMDG) : 2.1

Air transport

- UN-No. (IATA) : UN1030
- Proper Shipping Name (IATA) : 1,1-Difluoroethane
- Class (IATA) : 2.1

Additional information

- Other information : No supplementary information available.
- Special transport precautions : Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

1,1-Difluoroethane (75-37-6)

Listed on the Canadian DSL (Domestic Substances List)

15.2. US State regulations

Dust Off Compressed Gas Duster

- | | |
|----------------------------|--|
| State or local regulations | This product does not contain a chemical known to the State of California to cause cancer, |
|----------------------------|--|

Dust Off Compressed Gas Duster

Safety Data Sheet

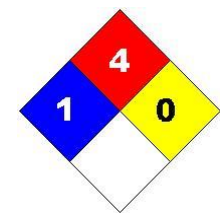
according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Dust Off Compressed Gas Duster	
	birth defects or other reproductive harm.

SECTION 16: Other information

Date of issue : 10/15/2015
Revision date : 5/15/2018
Other information : None.

Mexico Classification:



Blue = Health Red = Flammability Yellow = Reactivity White = Special
Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

MATERIAL SAFETY DATA SHEET

MSDS # 56301

Section One: Identification

Newell Rubbermaid, Inc. (Sanford L.P.)
2707 Butterfield Road
Oak Brook, IL 60523 USA
800-323-0749 or 630-481-2000

EMERGENCY MEDICAL NUMBER:

888-786-0972

Product Name: Liquid Paper Correction Fluid Products; Smooth Coverage, 2-in-1, Pen&Ink, Fast Dry, PMOP, Ledger Colors, Stock Colors.

Colors: White, Buff, Green, Pink, Blue, Ivory, Yellow.

Section Two: Hazard Identification

WARNING! FLAMMABLE. Do not use or store near heat or flame. **IRRITANT.** May cause skin or eye irritation. May cause allergic reaction. **VAPOR HARMFUL.** May be harmful by inhalation or ingestion. Do not ingest. Use only with proper ventilation. **KEEP OUT OF REACH OF CHILDREN.**

Section Three: Composition

Solvent: Naphtha(petroleum), hydrotreated light (64742-49-0)
Naphtha(petroleum), heavy alkylate (64741-65-7)
Additives: Titanium Dioxide (13563-67-7)
Resin
Surfactant
Pigments
Fragrance

Section Four: First Aid Measures

Inhalation: If symptoms occur remove person(s) to fresh air. If symptoms persist seek medical attention.
Skin Contact: Wash with soap and water for at least 15 min. If irritation persists seek medical attention.
Eye Contact: Wash thoroughly with water for at least 15 min. If irritation persists seek medical attention.
Ingestion: DO NOT induce vomiting. Contact a physician or poison control center immediately. Do not give anything by mouth unless directed to do so by a physician. **NOTE TO PHYSICIAN:** Contains solvent naphtha which may cause chemical pneumonitis.

Section Five: Fire Fighting Measures

Flash Point: $> 10^{\circ} \text{F}$
Flammability Limits (% by volume): N/A
Extinguishing Media: Dry chemical, foam, carbon dioxide.
Special Fire Fighting Measures: **In Small quantities:** Treat as appropriate for surroundings.
Hazardous Combustion Products: Acrid smoke/fumes. Oxides of Carbon, Nitrogen.

Section Six: Accidental Release Measures

In Case of Spill or Accidental Release: Take up with absorbent non-combustable material.

Section Seven: Handling and Storage

Handling: Do not use near heat or flame. Replace cap after use. Avoid contact with skin. Use only in well ventilated area.
Storage: Do not store near heat or other sources of ignition. In large quantities, store in a well-ventilated area.

Section Eight: Exposure Controls and Personal Protection

Eye Protection: None under normal use conditions.

MATERIAL SAFETY DATA SHEET

MSDS # 56301

Clothing: None under normal use conditions.

Respirator: None under normal use conditions.

Section Nine: Physical and Chemical Properties

Boiling Point: >95 ° F
Specific Gravity: N/A
Vapor Pressure: N/A
Solubility in Water: N/A
Evaporation Rate: N/A
Appearance/Odor: Viscous liquid / Paraffinic

Section Ten: Stability and Reactivity

Stability: Normally stable
Conditions to Avoid: Avoid exposure to heat, flame or other sources of ignition. Avoid contact with strong acids or oxidizers.
Hazardous Polymerization: N/A

Section Eleven: Toxicological Information

See Section Two: Hazard Identification for any hazards

Section Twelve: Ecological Information

Not available

Section Thirteen: Disposal Considerations

Dispose of in accordance with all Federal, State, and Local Regulations.

Section Fourteen: Transport Information

DOT: ORM-D Consumer Commodity
IATA: Not Available
IMDG: Not Available

Section Fifteen: Regulatory Information

United States: All components in this product are listed on or exempt from reporting under the Federal Toxic Substances Control Act (TSCA).

Section Sixteen: Other Information

HMIS Code

Health	2
Flammability	3
Reactivity	0
Personal Protection	N/A

0=Minimal / 4 = Severe

NewellRubbermaid, Inc has been advised by Counsel that the OSHA Hazard Communication Standard and the Health Canada Workplace Hazardous Materials Information Standard do not apply to the Sanford Product described in this Material Safety Data Sheet. The reasons for the exemptions are contained in 29 CFR 1910.1200(b)(6)(ix) as amended Sept 14, 2009 per the Code of Federal Regulations and also Canadian Hazardous Products Act part 12 section (f) as amended June 1, 2009. The information contained in this MSDS is forwarded to you for your information, but is not meant to imply that the product is covered by nor is this MSDS meant to comply with all requirements of the hazard communication standards.

Sanford Corporation
2740 Washington Blvd.
Bellwood, IL 60104

Telephone No: 1-800-323-0749
Date of Last Revision: January 2, 2003
Medical Emergency No: 1-800-228-5635

Section 1 - Product Identification

Product Name: Roll-On Stamp Pad Inker
Colors: Black, Blue, Brown, Green, Red, Violet

Section 2 - Composition

Dyes, water, glycerine (56-81-5), diethylene glycol (111-46-6), polyethylene glycol (25322-68-3)

Section 3 - Physical / Chemical Characteristics**For glycerine:**

Boiling Point: Greater than 550°F at 760 mm Hg
Vapor Pressure (mm Hg): Less than 0.1 mm Hg at 72°F
Specific Gravity: 1.2 - 1.3 at 22°C
Solubility in Water: Complete
Appearance / Odor: Water white, clear liquid, bland odor
Evaporation Rate: Not available

Section 4 - Fire and Explosion Hazard Data

Flash Point (Method Used): Greater than 390°F (PMCC)
Flammability Limits (% by volume): Lower: Not available Upper: Not available
Extinguishing Medium: N/A
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: N/A

Section 5 - Reactivity Data

Stability:	Stable
Conditions to Avoid:	Not available
Chemical Incompatibility:	Not available
Hazardous Decomposition:	Not available
Hazardous Polymerization:	Will not occur

Section 6 - Health Hazard Data

Chemical Listed as Carcinogen or Potential Carcinogen:

IARC Monographs:	No
National Toxicology Program:	No
OSHA Regulated:	No

The product is considered safe when used under normal use conditions.

Section 7 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:	Wipe up with absorbent material.
Waste Disposal Method:	Dispose in accordance with Federal, State, and Local Regulations.
Precautions to be Taken in Handling and Storing:	Do not squeeze bottle. Keep cap on bottle when not in use.
Other Precautions:	None

Section 8 - Personal Protection and Exposure Control Measures

Eye Protection:	None under normal use conditions.
Skin Protection:	None under normal use conditions.
Respiratory Protection:	None under normal use conditions.
Ventilation:	None under normal use conditions.
Protective Clothing:	None under normal use conditions.

HMIS Code	
Health	1
Flammability	0
Reactivity	0
Personal Protection	N/A

0 = Minimal / 4 = Severe Hazard

Sanford Corporation has been advised by council that the OSHA Hazard Communication Standard does not apply to the Sanford Product described in this MSDS. The reason for the exemption is contained in 29 CFR Part 1910.1200 (b) (6) (ix), as amended July 1, 1994 per the Code of Federal Regulations. The information contained in this MSDS is forwarded to you for your information but is not meant to imply that the product is covered by the Hazard Communication Standard nor is the MSDS meant to comply with all requirements of the Hazard Communication Standard.

Safety Data Sheet (MSDS)

Issued Date : December 19,2008

Revised Date : February 4,2013

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : TAT STAMPER (Quick Dry)Multipurpose Color : (Green)
 XQT-1342C,XQT-6C,XQT-11C,XQT-16C,XQT-20C,XQT-30C
 REFILLS INK (Quick Dry)Multipurpose Color : (Green)
 XQTR-20-SG (XQTR-20-SG-G)

Company Name : Shachihata Inc.
Address : 4-69,Amazuka-cho,Nishi-ku,Nagoya City,451-0021,Japan
Telephone : + 81- 52- 521- 3600
Fax : + 81- 52- 521- 3899
Emergency Call : + 81- 52- 521- 3600 (Shachihata Inc. [Japan])
Recommended use : Stamp ink



SECTION 2 HAZARDS IDENTIFICATION

GHS Classification

Physical Hazards

Flammable liquids

Category 3

Health Hazards

Serious eye damage /eye irritation

Category 2B

Specific target organ toxicity ; single exposure

Category 3

(respiratory tract irritation, narcotic effects)

Environmental Hazards

Hazardous to the aquatic environment (acute)

Classification not possible

Hazardous to the aquatic environment (chronic)

Classification not possible

Hazardous to the ozone layer

Classification not possible

LABEL ELEMENTS

Symbols



Signal word : Warning

Hazard statement : Flammable liquid and vapour (H226)
 Causes eye irritation (H320)
 May cause respiratory irritation (H335)
 May cause drowsiness or dizziness (H336)

Precautionary statement

【Prevention】

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. (P210)

Take precautionary measures against static discharge. (P243)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

Avoid breathing dust/fume/gas/mist/vapours/spray. (P261)

Use only outdoors or in a well-ventilated area. (P271)

Wash hands thoroughly after handling. (P264)

【Response】

In case of fire : Use dry chemical powder,form or carbon dioxide for extinction. (P370+P378)

IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing. (P304+P340)

IF IN EYES : Rinse cautiously with water for several minutes. (P305+P351+P338)

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists : Get medical advice/attention. (P337+P313)



picture_red

IF ON SKIN (or hair)	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.	(P303+P361+P353)
If skin irritation occurs	: Get medical advice/attention.	(P332+P313)
IF SWALLOWED	: Get medical advice/attention if you feel unwell. Rinse mouth.	(P301+P314+P330)
【Storage】		
Store in a well-ventilated place. Keep container tightly closed.		(P403+P233)
【Disposal】		
Dispose of contents/container to waste in accordance with local/regional/ national/international regulation (to be specified).		(P501)

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture
Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
1-ethoxypropan-2-ol	50~60	1569-02-4	Flam.Liq.3 Eye Irrit.2B STOT.SE.3	H226 H320 H336
(2-methoxymethylethoxy)propanol	20~30	34590-94-8	Flam.Liq.4 STOT.SE.3	H227 H335
Synthetic resin	10~20	Confidential	none	none
Organic Pigment	1~10	Confidential	none	none
total	100			

SECTION 4 FIRST-AID MEASURES

IF INHALED	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.
IF ON SKIN	: Remove/Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.
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 SWALLOWED	: After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.

SECTION 5 FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : Dry chemical powder, foam or carbon dioxide

UNSUITABLE EXTINGUISHING MEDIA : Water jet

SPECIFIC EXTINCTION METHOD

For initial stage extinction, carbon dioxide or dry chemical powder.
When a fire extends, fire is extinguished by a large amount of water spray.
Do not discharge extinguishing waters into the aquatic environment.

SPECIAL PROTECTIVE FOR FIRE- FIGHTERS

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn.
Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Evacuate personnel to safe area. Shut off all sources of ignition.
No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Do not throw the leakage thing directly into environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

In case of a small spill, absorb with dry sand, soil, sawdust, cloth, etc., then place in a chemical waste containers.
In case of large spills, dike and prevent overflow, cover spills with foam, then place in a chemical container using non-sparking tools.

SECONDARY ACCIDENT PREVENTION MEASURE

All ignition sources should be quickly removed. (No smoking in vicinity, prohibit sparks or fire sources)

SECTION 7 HANDLING AND STORAGE

- Handling** : Use with adequate ventilation.
 Avoid contact with skin, eyes and clothing.
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Do not eat, drink or smoke when using this product.
- Storage** : Keep containers tightly closed and store in a cool and dry place.
 Keep away from heat and flame, ignition source and sunlight.
 Keep out of the reach of children.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**OCCUPATIONAL EXPOSURE LIMIT**

ACGIH (2011)

(2-methoxymethylethoxy)propanol	TWA	100ppm
---------------------------------	-----	--------

OSHA PEL

(2-methoxymethylethoxy)propanol	TWA	100ppm
---------------------------------	-----	--------

DIRECTIVE 2000/39/EC

(2-methoxymethylethoxy)propanol	TWA	50ppm
---------------------------------	-----	-------

Japan Society for Occupational Health (2011)

Not listed

PERSONAL PROTECTION

- : Respiratory Protection
 Use with local exhaust ventilation, when in long use.
 Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.
- : Hand Protection
 Avoid contact with hands. Wear safety gloves, if necessary.
- : Eye Protection
 Avoid contact with eyes. Wear safety glasses, if necessary.
- : Skin Protection
 Avoid skin contact. Wear personal protection apron, boots, if necessary.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : green liquid
- Odour** : minor solvent odour
- pH** : Not applicable
- Boiling point** : No data available
- Flash point** : 41 °C (closed cup)
- Relative Density (at 25°C)** : 1.0 - 1.1 (g/cm³)
- Solubility in Water** : Insoluble

SECTION 10 STABILITY AND REACTIVITY

- Stability** : Stable under normal handling.
- Conditions to Avoid** : High temperature, Direct sunlight, Fire
- Incompatible Materials** : Strong oxidising agents
- Hazardous Decomposition Products** : CO, CO₂

SECTION 11 TOXICOLOGICAL INFORMATION

- Acute toxicity** : LD/LC50 values that are relevant for classification
 [1-ethoxypropan-2-ol]

Oral-rat	LD50	>5,000mg/kg
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Inhalation-rat	LC50	>10,000ppm/4H
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Dermal-rabbit	LD50	9ml/kg
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[(2-methoxymethylethoxy)propanol]

Oral-rat	LD50	5,180mg/kg
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Dermal-rabbit	LD50	9,500mg/kg
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Serious eye damage /eye irritation	: Category 2B	Causes eye irritation
Specific target organ toxicity (single exposure)	: Category 3	May cause respiratory irritation May cause drowsiness or dizziness
Carcinogenicity	: Not listed by IARC, EPA, EU, NTP.	

SECTION 12 ECOLOGICAL INFORMATION

Hazardous to the aquatic environment (acute)	: Classification not possible
Hazardous to the aquatic environment (chronic)	: Classification not possible
Hazardous to the ozone layer	: Classification not possible

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal must be made according to official regulations.
Comply with all Federal, State, and Local regulations regarding disposal.
Do not allow product to reach ground, any water course or sewage system.

SECTION 14 TRANSPORT INFORMATION

UN number	(DOT, ADR, IMDG, IATA)	: UN1210
UN proper shipping name	(DOT, ADR, IMDG, IATA)	: PRINTING INK ,flammable
UN Classification		: 3
Packing group	(DOT, ADR, IMDG, IATA)	: III
Marine pollutant (Y/N)		: N
EmS number		: F-E,S-D



SECTION 15 REGULATORY INFORMATION

< EU Information >

Regulation (EC) No 1272/2008 (CLP)

Substance name	: [1-ethoxypropan-2-ol]
Hazard Class & Category	: Flammable liquids, Category 3 Specific target organ toxicity - single exposure, Category 3
Symbols	: GHS02,GHS07
Signal word	: Warning
Hazard statements	: H226 Flammable liquid and vapour H336 May cause drowsiness or dizziness

Directive 67/548/EEC or 1999/45/EC

Substance name	: [1-ethoxypropan-2-ol]
Classification	: R10 - R67
R-Phrase	: R10 Flammable. R67 Vapours may cause drowsiness and dizziness.
S-Phrase	: S2 Keep out of the reach of children. S24 Avoid contact with skin.

< USA Information >

OSHA STATUS	: This product is hazardous under 29 CFR 1910.1200.
TSCA STATUS	: All components on TSCA INVENTORY.
TSCA Hazard Communication Program (40 CFR Part 721) (SNUR)	: Not Applicable
CERCLA REPORTABLE QUANTITY (40 CFR 117,302)	: Not Applicable
SARA TITLE III Section 313 (40 CFR 372)	: Not Applicable
California Proposition 65 (Chemicals known to cause cancer)	: Not listed

Refer to any other federal , state , EU , national and local regulations.

SECTION 16 OTHER INFORMATION



EU RoHS Directive(2002/95/EC) and ELV Directive(2000/53/EC)
This product not contain lead,mercury, cadmium, hexavalent chromium,
polybromiated biphenyls (PBB) or polybrominated diphenylethers (PBDE).

This data sheet may not be enough when evaluating danger or hazard.The above information, which is created from currently available documents, information and data, may be revised when new findings announced.This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency.When handling as a normal product, please refer to the notes that is described in the produce or packaging.The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.