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Safety Data Sheet

Page 1 of 11

Proofing Ink Red (7640 0404 28)

Section I	Identification	
Manufacturer		
Mosstype Corporation		Emergency Telephone Number
150 Franklin Turnpike		1-800-255-3924 (Chem-Tel)
Waldwick, NJ 07463		Technical & SDS Information
201-444-8000		201-444-8000
		Preparation Date
Recommended use: P	roofing Print Plates	01/01/2022
Product Name:		Product Identification
Proofing Ink - Red		7640 0404 28
Section 2	Hazards Identification	on
OSHA/HCS status:	This material is considered hazardous by	the OSHA Hazard Communication
	Standard (29 CFR 1910.1200).	
Classification of the:	FLAMMABLE LIQUIDS - Category 4	
substance or mixture	ACUTE TOXICITY (oral) - Category 4	
	SKIN CORROSION/IRRITATION - Catego	
	SERIOUS EYE DAMAGE/EYE IRRITATIO	N - Category 1
	SKIN SENSITIZATION - Category 1	
	SPECIFIC TARGET ORGAN TOXICITY (F	REPEATED EXPOSURE) Category 2
Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 9%		

#### <u>GHS Label elements</u> Hazard pictograms



Signal Word	:	Danger
Hazard statements	:	Combustible liquid.
		Harmful if swallowed.
		Causes skin irritation.
		May cause an allergic skin reaction.
		Causes serious eye damage.
		May cause damage to organs through prolonged or repeated exposure.

#### 01/01/2022

### Proofing Ink Red (7640 0404 28)

# Page 2 of 11

<b>Precautionary</b>	statements
Prevention:	Wear protective gloves, protective clothing and eye or face protection. Keep away from flames and hot surfaces. No smoking. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response:	IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
Storage:	Store in a well-ventilated place. Keep cool.
Disposal:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not	

otherwise classified :

Section 3	ection 3 Composition/ Information on Ingredients		
Substance/mixture:	Mixture		
Ingredient name	%	CAS Number	
2,2'-oxybisethanol	15 - 40	111-46-6	
2,2'-oxybisethanol	10- 30	111-46-6	
2-aminoethanol	1 - 5	141-43-5	

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4	First Aid Measures
Description of neo	cessary first aid measures
Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

### Page 3 of 11

- Skin contact
   : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water . Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in a recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed Potential acute health effects

Eye contact	: Causes serious eye irritation.	
Inhalation	: No known significant effects or critical hazards.	
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.	
Ingestion	: Harmful if swallowed.	
Over-exposure sig	ins/symptoms	
Eye contact	: Adverse symptoms may include the following: pain, watering, redness.	
Inhalation	: No specific data.	
Skin contact	: Adverse symptoms may include the following: pain or irritation redness, blistering may occur.	
Ingestion	: Adverse symptoms may include the following: stomach pains.	
Indication of immediate medical attention and special treatment needed, if necessary		
	<ul> <li>In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</li> </ul>	
Specific treatment	ts: No specific treatment.	
Protection of first raiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear appropriate	

responders

### Page 4 of 11

mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

# See toxicological information (Section 11)

Section 5	Fire-Fighting Measures
<u>Extinguishing media</u> Suitable extinguishing media	: Use dry chemical, CO2, water spray (fog) or foam.
Unsuitable extinguishin media	<b>ig :</b> Do not use water jet.
Specific hazards arising from the chemical	: Combustible liquid. Runoff to the sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, metal oxides/oxides, sulfur oxides.
Special protective actions for fire- fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire- fighters	: Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Section 6	Accidental Release Measures
Personal precautions, p	protective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency	: If specialized clothing is required to deal with the spillage, take note of any

information in "For non-emergency personnel".

information in Section 8 on suitable and unsuitable materials. See also the

04/04/2022			
<sup>01/01/2022</sup> Proofing Ink Red (7640 0404 28) Page 5 of 11			
Environmental	: Avoid dispersal of spilled material and runoff and contact with soil, waterways,		
precautions	drains and sewers. Inform the relevant authorities if the product has caused		
	environmental pollution (sewers, waterways, soil or air).		
	or containment and cleaning up		
Small spill Large spill	<ul> <li>Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal disposal contractor.</li> <li>Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth,</li> </ul>		
	vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.		
Section 7	Handling and Storage		
Precautions for safe han			
Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignitions source. Use explosion-proof electrical (ventilating, lightning and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse containers.		
Advice on general	. Esting developed analyzing about the markinited in success these this		
occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.		
Conditions for safe stora including any incompatibilities			

before handling or use.

closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials

Section 8	Exposure Controls/ Personal Protection
Control parameters	
Occupational exposure limits	
Ingredient name	Exposure limits
2,2' - oxybisethanol	OARS WEEL (United States, 7/2018).
	TWA: 10 mg/m3 8 hours.
2,2'- oxybisethanol	OARS WEEL (United States, 7/2018).
	TWA: 10 mg/m3 8 hours.
2-aminoethanol	ACGIH TLV (United States, 3/2018).
	STEL: 15 mg/m3 15 minutes
	STEL: 6 ppm 15 minutes
	TWA: 7.5 mg/m3 8 hours
	TWA: 3 ppm 8 hours
	NIOSH REL (United States, 10/2016).
	STEL: 15mg/m3 15 minutes
	STEL: 6 ppm 15 minutes
	TWA: 8 mg/m3 10 hours
	TWA: 3 ppm 10 hours
	OSHA PEL (United States, 5/2018).
	TWA: 6 mg/m3 8 hours
	TWA: 3 ppm 8 hours
	OSHA PEL 1989 (United States, 3/1989).
	STEL: 15 mg/m3 15 minutes
	STEL: 6 ppm 15 minutes
	TWA: 8 mg/m3 8 hours
	TWA: 3 ppm 8 hours
Appropriate engineering	: Use only with adequate ventilation. Use process enclosures, local
controls	exhaust ventilation or other engineering controls to keep
	worker exposure to airborne contaminants below any recommended or
	statutory limits. The engineering controls also need to keep gas, vapor
	or dust concentrations below any lower explosive limits. Use explosion-
	proof ventilation equipment.
Individual protection measures	
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical
	products, before eating, smoking and using the lavatory and at the end
	of the working period. Appropriate techniques should be used to remove
	potentially contaminated clothing. Wash contaminated clothing before
	reusing. Ensure that eyewash stations and safety showers are close to
	the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used
	when a risk assessment indicates this is necessary to avoid exposure
	to liquid splashes, mists, gasses or dusts. If contact is possible, the
	following protection should be worn, unless the assessment indicates
	a higher degree of protection: chemical splash goggles and/or face
	shield. If inhalation hazards exist, a full-face respirator may be
	required instead.

#### 01/01/2022

# Proofing Ink Red (7640 0404 28)

# Page 7 of 11

Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. Is should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9	Physical and Chemical Properties
Appearance	
Physical state	: Liquid
Color	: Red
Odor	: Not available
Odor threshold	: Not available
рН	: 8 to 8
Melt point/Freeze point	: Not available
Boiling point	: Not available
Flash point	: Between 61 Deg C (142 deg F) and 93.3 deg C (200 deg F)
Evaporation rate	: Not available
Flammability (solid, gas)	: Not available
Lower & upper explosive	: Not available
(flammable) limits	
Vapor pressure	: Not available
Vapor density	: Not available
Relative density	: Not available
Solubility	: Not available
Partition coefficient:	: Not available
n-octanol/water	
Auto-ignition temperature	: Not available
Decomposition temperature	
Viscosity	: Not available
Density	: 10.125 lbs/gal
VOC data	
VOC % by weight	: 47.32
VOC % by volume	: 51.78
VOC lbs/gallon	: 4.79
VOC lbs/gal less water	: 4.79

### 01/01/2022 Proofing Ink Red (7640 0404 28)

# Page 8 of 11

Section 10	Reactivity and Stability
Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	<ul> <li>Under normal conditions of storage and use, hazardous reactions will not occur.</li> </ul>
Conditions to avoid	: Avoid all possible sources of ignitions (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11 Toxicological Information

Information on toxicological effects	
Acute toxicity	

Ingredient name	Result	<b>Species</b>	Dose	Exposure
2,2'-oxybisethanol	LD50 Dermal	Rabbit	11890 mg/kg	-
	LD50 Oral	Rat	12000 mg/kg	-
2,2'-oxybisethanol	LC50 Inhalation dusts & mists	Rat	>4.6 mg/l	4 hours
	LD50 Dermal	Rabbit	11890 mg/kg	-
	LD50 Oral	Rat	12000 mg/kg	-
2-aminoethanol	LD50 Oral	Rat	1720 mg/kg	-
Specific target organ toxic	:ity (single exposure)			
Name	Category	Route of ex	posure	Target organs
2-aminoethanol	Category 3	Not applicab	le.	Respiratory tract irritation
Specific target organ toxic	tity (repeated exposure)			
Name	Category	Route of ex	posure	T <u>arget organs</u>
2,2'-oxybisethanol	Category 2	Inhalation		-
2,2'-oxybisethanol	Category 2	-		-
Aspiration hazard				
Not available.				
Information on the likely	: Not a	vailable.		
routes of exposure				
Potential acute health effe	<u>cts</u>			
Eye contact	: Cause	es serious eye ir	ritation.	
Inhalation	: No kn	own significant e	effects or critical haza	irds.
Skin contact	: Cause	es skin irritation.	May cause an allergi	c skin reaction.
Ingestion		ful if swallowed.	, ,	
Symptoms related to the p	hysical, chemical and toxicolo	qical characteri	stics	
Eye contact			ay include the following	ng:
-		watering, rednes		<b>.</b>
Inhalation	• •	ecific data.		
Skin contact			ay include the following	ng:
			ess, blistering may oc	
Ingestion			ay include the following	
<b>U</b>		ich pains	,	0
		•		

# Page 9 of 11

<u>Delayed and immediate effects and also chror</u> Short term exposure	nic effects from she	ort and lon	g term expos	<u>sure</u>	
Potential immediate effects	: Not available				
Potential delayed effects	: Not available				
Long term exposure					
Potential immediate effects	: Not available				
Potential delayed effects	: Not available				
Potential chronic health effects Not available					
General	•	ed, a sever	e allergic read		repeated exposure. ur when subsequently
Carcinogenicity	: No known sig	inificant effe	ects or critical	hazards.	
Mutagenicity	: No known sig	,			
Reproductive toxicity	0				
Numerical measures of toxicity					
Acute toxicity estimates					
Ingredient name	Oral(mg/'kg)	Dermal (mg/kg)	Inhalation (gasses) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dust & mists) (mg/l)
CNK Rubine	1119.1	29588.7	N/A	N/A	N/A
2,2'-oxybisethanol	500	11890	N/A	N/A	N/A
2,2'-oxybisethanol	500	11890	N/A	N/A	N/A
2-aminoethanol	1720	1100	N/A	N/A	N/A

Section 12	
Toxicity	

# Ecological Information

Toxicity		
Not available.		
Persistence and degradability		
Not available.		
<b>Bioaccumulative potential</b>		
Not available.		
<u>Mobility in soil</u>		
Not available.		
Other adverse effects	: No known significant effects or critical hazards.	
	-	

Section 13	Disposal Considerations
Disposal methods	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container

# Page 10 of 11

must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14	Transpo	ortation Informa	tion	
	DOT	TDG	IMDG	IATA –
UN Number	Classification NA1993	Classification Not applicable	Not applicable	Not applicable
UN proper shipping name	combustible liquid, n.o.s.(substances)			
Transport hazard Class(es)	combustible liquid			
Packing group	Ш			
Environmental hazards	No.			
Additional information Special provisions:	Non-bulk packages(le regulated as hazardou instruction Exception Passenger aircraft/rail 148,IB3, T1, TP1	us materials. Limited	d quantity Yes. Pac 3, Bulk: 241. Quant	kaging
Special precautions for u	containers t	vithin user's premises hat are upright and s the product know wi	ecure. Ensure that	persons
Section 15	Regulat	ory Information		
U.S. Federal regulation		nents of this product chemical inventory.	ar listed as active o	r exempt from
Classification	ACUTE TO SKIN COR SERIOUS SKIN SEN	BLE LIQUIDS -Categ DXICITY (oral) - Cate ROSION/IRRITATIC EYE DAMAGE/EYE SITIZATION - Categ TARGET ORGAN T / 2	gory 4 N - Category 2 IRRITATION - Category 1	

### Page 11 of 11

Product Name	CAS Number	%
ferrate(4-), hexakis(cyano-C)- Et 2- [6-(ethylamino)	12237-63-7	≤10
-3-(ethylimino)-2,7-dimethyl-3H-xanthen-9-yl] benzoate copper(2+) salts		
ferrate(4-), hexakis(cyano-C), Et 2-[6-(ethylamino) -3-(ethylimino)-2,7-dimethyl-3H-xanthen-9-yl] benzoate copper(2+) salts	12237-63-7	≤10
	ferrate(4-), hexakis(cyano-C)- Et 2- [6-(ethylamino) -3-(ethylimino)-2,7-dimethyl-3H-xanthen-9-yl] benzoate copper(2+) salts ferrate(4-), hexakis(cyano-C), Et 2-[6-(ethylamino) -3-(ethylimino)-2,7-dimethyl-3H-xanthen-9-yl]	ferrate(4-), hexakis(cyano-C)- Et 2- [6-(ethylamino)12237-63-7-3-(ethylimino)-2,7-dimethyl-3H-xanthen-9-yl]benzoate copper(2+) saltsferrate(4-), hexakis(cyano-C), Et 2-[6-(ethylamino)12237-63-7-3-(ethylimino)-2,7-dimethyl-3H-xanthen-9-yl]12237-63-7

copying and redistribution of the notice attached to copies of the DS subsequently redistributed.

#### California Prop. 65

This product can expose you to Titanium Dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

International Regulations	
<u>Canadian lists</u>	
Canadian NPRI	: The following components are listed: copper (and its compounds)
CEPA Toxic Substances	: None of the components are listed.
Canada Inventory	: At least one component is not listed.
,	·

### Section 16

### **Other Information**

Every reasonable effort has been made to ensure that the safety information on this sheet is accurate. But because Mosstype has no control over the conditions under which the product will be used, liability is limited exclusively to replacement or refund of the purchase price of this product. Except as stated herein, there are no expressed or implied warranties of merchantability or fitness for a particular purpose. Mosstype assumes no liability for injury or incidental or consequential damages arising out of the storage handling, or use of this product. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

#### Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 4	On basis of test data
ACUTE TOXICITY(oral) - Category 4	Calculation method
SKIN CORROSION/IRRITATION- Category 2	Calculation method
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
SPECIFIC TARGET ORGAN TOXICITY(REPEATED EXPOSURE) Category 2	Calculation method

Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labeling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow= Logarithm of the octanol/water partition coefficient
	MARPOL = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations