Parker Hannifin Ltd.,
Engineered Materials Group
Chomerics Division Europe
Unit 6 Century Point Halifax Road
High Wycombe Bucks, HP12 3SL
United Kingdom
Telephone: 044 (0) 1494 455 400

SDS Revision Date (dd/mm/yyyy): 12/03/2026
Revision No.: 6

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier : **CHO-SHIELD® 2001, Part A**

Product Code(s) : 52-00-2001-0000; 52-00-2001-1000; 52-01-2001-0000; 52-03-2001-0000; 52-04-2001-0000

UFI-0K20-X0JS-500R-02P1

SDS No. : PHC-030 EU

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

: Product component of a 3-part, conductive, copper-filled, solvent-based coating.
Intended for composite substrates.
Use pattern: professional use
Refer to restrictions found in REACH Annex XVII item 75.

1.3 Details of the supplier of the safety data sheet:

Parker Hannifin Ltd.
Engineered Materials Group
Chomerics Division Europe
Unit 6 Century Point
Halifax Road
High Wycombe
Bucks, HP12 3SL
United Kingdom
E-mail: chomerics_europe@parker.com
Website: www.chomerics.com
Telephone: 044 (0) 1494 455 400

Parker Hannifin Manufacturing France SAS
ZAC des Epineaux
7 avenue Louis Blériot
95740 Frépillon, France
Telephone : 033 (01) 34 32 39 00
Email: parker.france@parker.com
Website: www.parkerfrance.fr

Telephone : 044 (0) 1494 455 400

1.4 Emergency Telephone Number

Parker Hannifin Ltd.,
Engineered Materials Group
Chomerics Division Europe
Unit 6 Century Point Halifax Road
High Wycombe Bucks, HP12 3SL
United Kingdom
Telephone: 044 (0) 1494 455 400

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

: +1 (352) 323-3500 (INFOTRAC - United States of America

Poisons Information Centre
The United Kingdom NHS111
The Netherlands +31 88 75 585 61
France + 33 3 83 85 21 92
Germany +4930184120
Spain +34917689800
Poland +48 42 2538 400
Sweden +46104566750
Italy
06 68593726 (CAV “Osp. Pediatrico Bambino Gesu” Dip. Emergenza - Roma) 800 183459 (Az. Osp. Univ. Foggia - Foggia)
081 5453333 (Az. Osp. "A. Cardarelli" - Napoli)
06 49978000 (CAV Policlinico "Umberto I" - Roma)
06 3054343 (CAV Policlinico "A. Gemelli" - Roma)
055 7947819 (Az. Osp. "Careggi" U.O. Tossicologia Medica - Firenze)
0382 24444 (CAV Centro Nazionale di Informazione Tossicologica - Pavia) 02 66101029 (Osp. Niguarda Ca' Granda - Milano)
800 883300 (Azienda Ospedaliera Papa Giovanni XXII - Bergamo)

1.5 National Contact

: E-mail: chomerics_europe@parker.com
Website: www.chomerics.com

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Brownish, copper coloured liquid. Solvent odour.

Most important hazards:
Flammable liquid and vapour. May be ignited by open flame.
May cause sensitization by skin contact. May cause cancer. Occupational exposure to the substance or mixture may cause adverse effects. For further information, please refer to section 11 of the SDS.
Toxic to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid release to the environment. See Section 12 for more environmental information.

This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008. Classification:
Flammable liquid - Category 3; H226
Skin sensitization - Category 1; H317
Carcinogenicity - Category 1A; H350
Reproductive toxicity -Category 2 ;H361
Acute aquatic toxicity-Category 1; H400
Chronic aquatic toxicity - Category 1 ; H410

2.2 Label elements

Hazard pictogram(s)



SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Hazardous components which must be listed on the label:
Zinc chromate; 2-Methoxy-1-methylethyl acetate;Ethylbenzene;Xylene; Silver

Signal word:
Danger

Hazard statements:
H226 - Flammable liquid and vapour.
H317 - May cause an allergic skin reaction.
H350 - May cause cancer.
H361 - Suspected of damaging fertility.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements:
P201 - Obtain special instructions before use.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, clothing and eye, face protection.
P308 + P313 - IF exposed or concerned: Get medical advice or attention.
P370 + P378 - In case of fire, use dry chemical, CO2 or 'alcohol foam' to extinguish.
P405 - Store locked up.
P501 - Dispose of contents or container in accordance with local regulation.

Supplemental Hazard Statements:
None required according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

Other hazards which do not result in classification:
May form explosive peroxides during prolonged exposure to air and heat. Rate of peroxide formation is not known. Burning produces obnoxious and toxic fumes. May be mildly irritating to skin, eyes and respiratory system. Inhalation of fumes may result in metal fume fever, a flu-like illness. May cause gastrointestinal irritation. Silver in the form of a finely divided dust may cause discoloration in contact with skin, and argyrosis in case of inhalation. Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.

Endocrine disrupting properties: Not applicable.

PBT assessment:
This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Chemical nature - Mixture of: Inorganic substances in powdered form; Metal powders; Solvent; Chromium VI compound;

The following substances shall be indicated according to legislation:

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Substance name	CAS No	EC No.	Reach Registration No.	% Weight	Classification according to Regulation (EC) nr. 1272/2008	SCL, M-factor, ATE
Copper	7440-50-8	231-159-6	Present	**55.0 - 70.0**	Aquatic Acute 1 ;H400 Aquatic Chronic 1;H410	M-Factor=10
Xylene	1330-20-7	215-535-7	Present	**5.0 - 10.0**	Flam. Liq. 3; H226 *Acute Tox. 4; H312 *Acute Tox. 4; H332 Skin Irrit. 2; H315	Not applicable.
Ethylbenzene	100-41-4	202-849-4	Present	**3.0 - 7.0**	Flam. Liq. 2; H225 *Acute Tox. 4; H332 STOT RE 2; H373 (hearing organs) Asp. Tox. 1; H304	Not applicable.
silver	7440-22-4	231-131-3	Present	**1.0 - 5.0**	Repr. 2 H361f; STOT RE 2 H373; Aquatic Acute 1 H400; Aquatic Chronic 1 H410	M-Factor =10
2-Methoxy-1-methylethyl acetate	108-65-6	203-603-9	Present	**1.0 - 3.0**	Flam. Liq. 3; H226	Not applicable.
Zinc Chromate	13530-65-9	236-878-9	Present	**1.0 - 5.0**	*Acute Tox. 4; H302 Skin Corr. 1; H317 Carc. 1A; H350 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	Not available

*The above CLP Acute toxicity Classifications for the following chemicals are 'Minimum Classifications': Xylene; Zinc chromate; Ethylbenzene.

For the full text of the H phrases not mentioned in this Section or in Section 2, see Section 16.

SECTION 4. FIRST-AID MEASURES

4.1 Description of first aid measures

Ingestion : Do not induce vomiting. Never give anything by mouth to a person who is unconscious or is having convulsions. IF exposed or concerned: Get medical attention.

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Inhalation : If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing stops, provide artificial respiration. IF exposed or concerned: Get medical attention.

Skin contact : IF ON SKIN: Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. When symptoms persist or in all cases of doubt, seek medical advice.

4.1.2 Self-protection for the first aider

: Wear protective gloves and eye, face protection.

4.2 Most important symptoms and effects, both acute and delayed

: May cause severe skin sensitization with allergic contact dermatitis symptoms such as swelling, rash and eczema.
May cause cancer. Symptoms may include persistent coughing, shortness of breath, coughing up blood and wheezing.
May be mildly irritating to skin, eyes and respiratory system. May cause redness and pain. May cause coughing and breathing difficulties.
Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Silver in the form of a finely divided dust may cause discoloration in contact with skin, and argyrosis in case of inhalation.
Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.

4.3 Indication of any immediate medical attention and special treatment needed

: Provide general supportive measures and treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

: Carbon dioxide (CO2); Dry chemical; Alcohol resistant foam; Water fog .

Unsuitable extinguishing media

: Do not use water jet, as this may spread burning material.

5.2 Special hazards arising from the substance or mixture

: After prolonged storage, may release explosive peroxides in the presence of air. Rate of peroxide formation is not known. Vapours are heavier than air and may spread along floors. The pressure in sealed containers can increase under the influence of heat. Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides.; Metal oxides.; Aldehydes; Hydrogen fluoride; Carbonyl halides; Other irritating fumes and smoke.

5.3 Advice for firefighters

Protective equipment for fire-fighters

: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Special fire-fighting procedures

: Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

Parker Hannifin Ltd.,
Engineered Materials Group
Chomerics Division Europe
Unit 6 Century Point Halifax Road
High Wycombe Bucks, HP12 3SL
United Kingdom
Telephone: 044 (0) 1494 455 400

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

: Keep people away from and upwind of spill/leak. Wear appropriate protective equipment. Restrict access to area until completion of clean-up.

6.2 Environmental precautions

: Prevent product from entering drains, sewers, waterways and soil. Avoid release to the environment. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

6.3 Methods and material for containment and cleaning up

: Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use non-sparking tools. Use inert, non-combustible absorbents to assist the pick up of material. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

6.4 Reference to other sections

: Refer to protective measures listed in sections 7 and 8. Refer to Section 13 for disposal of contaminated material.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted.
Use only outdoors or in a well-ventilated area. Wear suitable protective equipment during handling. Wear protective gloves,clothing and eye,face protection. Do not breathe vapor. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and open flame - No smoking. Ground and bond container and receiving equipment. Use explosion-proof electrical and ventilating equipment. Use non-sparking tools. Take action to prevent static discharges. Keep away from incompatibles. Keep containers tightly closed when not in use. Wash hands thoroughly after handling. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

: Store in cool/well-ventilated place. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. Do not store near any incompatible materials (see Section 10). Store between: 5°C-21°C

7.3 Specific end use(s) : Coating

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits:

Chemical Name	Exposure Limits	Type	Notes
Copper			

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

	None known.	European Union (OEL)	None.
	1 mg/m³; 0.1 mg/m³ (Respirable dust) (TWA)	Finland (OEL)	None.
	0.2 mg/m³ (fumes); 1 mg/m³ (dust) (TWA) 2 mg/m³ (dust) (STEL)	France (OEL)	None.
	1 mg/m³; 0.1 mg/m³ (fumes) (TWA) 4 mg/m³; 0.4 mg/m³ (fumes) (STEL)	Hungary (OEL)	None.
	None.	Poland (OEL)	None.
	0.2 mg/m³ (fumes); 1 mg/m³ (dust) (TWA)	Spain (OEL)	None.
	0.2 mg/m³ (fumes); 1 mg/m³ (dust) (TWA) 2 mg/m³ (dust) (STEL)	The United Kingdom (WELs)	None.
Xylene	50 ppm (221 mg/m³) (TWA) 100 ppm (442 mg/m³) (STEL)	European Union (OEL)	Possibility of significant uptake through the skin
	50 ppm (220 mg/m³) (TWA) 100 ppm (440 mg/m³) (STEL)	Finland (OEL)	Potential for cutaneous absorption
	50 ppm (221 mg/m³) (TWA) 100 ppm (442 mg/m³) (STEL)	France (OEL)	Risk of cutaneous absorption
	100 ppm (440 mg/m³) (exposure factor 2) (TWA)	Germany (OEL)	Skin notation
	221 mg/m³ (TWA) 442 mg/m³ (STEL)	Hungary (OEL)	Potential for cutaneous absorption
	50 ppm (221 mg/m³) (TWA) 100 ppm (442 mg/m³) (STEL)	Italy (OEL)	Skin - Potential for cutaneous absorption
	210 mg/m³ (TWA) 442 mg/m³ (STEL)	Netherlands (OEL)	Skin notation
	100 mg/m³ (TWA)	Poland (OEL)	Skin notation
	50 ppm (221 mg/m³) (TWA) 100 ppm (442 mg/m³) (STEL)	Spain (OEL)	Skin - Potential for cutaneous absorption
	50 ppm (220 mg/m³) (TWA) 100 ppm (441 mg/m³) (STEL)	The United Kingdom (WELs)	Potential for cutaneous absorption
Ethylbenzene	100 ppm (442 mg/m³) (TWA) 200 ppm (884 mg/m³) (STEL)	European Union (OEL)	Possibility of significant uptake through the skin
	50 ppm (220 mg/m³) (TWA) 200 ppm (880 mg/m³) (STEL)	Finland (OEL)	Potential for cutaneous absorption

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

	20 ppm (88.4 mg/m³) (TWA) 100 ppm (442 mg/m³) (STEL)	France (OEL)	Risk of cutaneous absorption
	20 ppm (88 mg/m³) (exposure factor 2) (TWA)	Germany (OEL)	Skin notation
	442 mg/m³ (TWA) 884 mg/m³ (STEL)	Hungary (OEL)	Potential for cutaneous absorption
	100 ppm (442 mg/m³) (TWA) 200 ppm (884 mg/m³) (STEL)	Italy (OEL)	Skin - Potential for cutaneous absorption
	200 mg/m³ (TWA) 400 mg/m³ (STEL)	Poland (OEL)	Skin notation
	100 ppm (441 mg/m³) (TWA) 200 ppm (884 mg/m³) (STEL)	Spain (OEL)	Skin - Potential for cutaneous absorption
	100 ppm (441 mg/m³) (TWA) 125 ppm (552 mg/m³) (STEL)	The United Kingdom (WELs)	Potential for cutaneous absorption
silver			
	0.1 mg/m³ (TWA)	European Union (OEL)	None.
	0.1 mg/m³ (TWA)	Finland (OEL)	None.
	0.1 mg/m³ (TWA)	France (OEL)	None.
	0.1 mg/m³ (inhalable) (TWA)	Germany (OEL)	(exposure factor 8)
	0.1 mg/m³ (TWA) 0.4 mg/m³ (STEL)	Hungary (OEL)	None.
	0.1 mg/m³ (TWA)	Italy (OEL)	None.
	0.1 mg/m³ (TWA)	Netherlands (OEL)	None.
	0.05 mg/m³ (TWA)	Poland (OEL)	None.
	0.1 mg/m³ (TWA)	Spain (OEL)	None.
	0.1 mg/m³ (TWA)	The United Kingdom (WELs)	None.
2-Methoxy-1-methylethyl acetate			
	50 ppm (275 mg/m³) (TWA) 100 ppm (550 mg/m³) (STEL)	European Union (OEL)	Possibility of significant uptake through the skin
	50 ppm (270 mg/m³) (TWA) 100 ppm (550 mg/m³) (STEL)	Finland (OEL)	Potential for cutaneous absorption
	50 ppm (275 mg/m³) (TWA) 100 ppm (550 mg/m³) (STEL)	France (OEL)	Risk of cutaneous absorption
	50 ppm (270 mg/m³) (TWA)	Germany (OEL)	(exposure factor 1)
	275 mg/m³ (TWA) 550 mg/m³ (STEL)	Hungary (OEL)	None.
	50 ppm (275 mg/m³) (TWA) 100 ppm (550 mg/m³) (STEL)	Italy (OEL)	Skin - Potential for cutaneous absorption

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

	550 mg/m³ (TWA)	Netherlands (OEL)	None.
	260 mg/m³ (TWA) 520 mg/m³ (STEL)	Poland (OEL)	None.
	50 ppm (275 mg/m³) (TWA) 100 ppm (550 mg/m³) (STEL)	Spain (OEL)	Skin - Potential for cutaneous absorption
	50 ppm (274 mg/m³) (TWA) 100 ppm (548 mg/m³) (STEL)	The United Kingdom (WELs)	Potential for cutaneous absorption
Zinc Chromate	0.005 mg/m³ (TWA)	Finland (OEL)	Chromium VI compound
	0.001 mg/m³ (TWA) 0.005 mg/m³ (STEL)	France (OEL)	Hexavalent chromium and its compounds Carcinogen
	0.01 mg/m³ (STEL)	Hungary (OEL)	Chromium VI compound; Sparingly soluble Carcinogenic substances
	Not available	Italy (OEL)	Not available
	Not available	Poland (OEL)	Not available
	0.01 mg/m³ (TWA)	Spain (OEL)	Carcinogen Sensitiser
	0.05 mg/m³ (TWA)	The United Kingdom (WELs)	Chromium VI compound Carcinogen Sensitiser

Biological Exposure Indices:

Chemical Name	Biological Exposure Indices	Type
Xylene	1500 mg/g Creatinine, Determinant: Methylhippuric acid, Specimen: Urine	France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)
	1.5 mg/L, Determinant: Xylene, Specimen: Blood 2000 mg/L, Determinant: Methylhippuric(tolur-) acid, Specimen: Urine	Germany. TRGS 903, BAT List (Biological Limit Values)
	5 mmol/L ,Determinant: Methylhippuric acid, Specimen: Urine	Finland. HTP-arvot, App 2, Biological Limit Values, (BRA/BGV), Social Affairs and Ministry of Health
	650 mmol/mol Creatinine, Determinant: Methylhippuric acid, Specimen: Urine	UK. EH40 Biological Monitoring Guidance Values (BMGVs)
	1500 mg/g Creatinine, Determinant: Methylhippuric acid, Specimen: Urine 860 µmol/mmol Creatinine, Determinant: Methylhippuric acid, Specimen: Urine	Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices
	1 g/g Creatinine, Determinant: Methylhippuric acid, Specimen: Urine	Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Ethylbenzene		
	700 mg/g Creatinine, Determinant: Mandelic acid plus Phenylglyoxylic acid, Specimen: Urine	Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4
	300 mg/g, Determinant: Mandelic acid plus Phenylglyoxylic acid, Specimen: Urine	Germany. TRGS 903, BAT List (Biological Limit Values)
	1500 mg/g Creatinine, Determinant: Mandelic acid, Specimen: Urine 1110 µmol/mmol Creatinine, Determinant: Mandelic acid, Specimen: Urine	Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices
	5.2 mmol/L, Determinant: Mandelic acid, Specimen: Urine	Finland. HTP-arvot, App 2, Biological Limit Values, (BRA/BGV), Social Affairs and Ministry of Health
	1500 mg/g Creatinine, Determinant: Mandelic acid (Non-specific (observed after the exposure to other substances)), Specimen: Urine	France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)
Zinc Chromate		
	0.02 mg/g Creatinine, Determinant: chromium, Specimen: Urine 0.043 µmol/mmol Creatinine, Determinant: chromium, Specimen: Urine	Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices
	10 µmol/mol Creatinine, Determinant: chromium, Specimen: Urine	UK. EH40 Biological Monitoring Guidance Values (BMGVs)
	25 µg/L, Determinant: Total chromium (soluble aerosol), Specimen: Urine 10 µg/L, Determinant: Total chromium (soluble aerosol), Specimen: Urine (End of work week)	Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4
	0.2 µmol/L (Chromium VI compound), Determinant: chromium, Specimen: Urine	Finland. HTP-arvot, App 2, Biological Limit Values, (BRA/BGV), Social Affairs and Ministry of Health
	0.03 mg/g Creatinine, Determinant: Total chrome, Specimen: Urine 0.01 mg/g Creatinine, Determinant: Total chrome, Specimen: Urine	France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Derived No Effect Level (DNEL)
(7440-50-8) workers dermal systemic effects long term exposure 137 mg/kg bw/day; ; workers dermal systemic effects acute/short term exposure 273 mg/kg bw/day
(7440-22-4) general population inhalation systemic effects long term exposure 0.04 mg/m3; workers inhalation systemic effects long term exposure 0.1 mg/m3 ; general population oral systemic effects long term exposure 1.2 mg/kg bw/day
(1330-20-7) general population oral systemic effects long term exposure 12.5 mg/kg bw/day ; general population inhalation systemic effects long term exposure 65.3 mg/m3 ; general population inhalation local effects long term exposure 65.3 mg/m3); general population dermal systemic effects long term exposure 125 mg/kg bw/day; workers dermal systemic effects long term exposure 212 mg/kg bw/day ; workers inhalation systemic effects long term exposure 221 mg/m3; workers inhalation local effects long term exposure 221 mg/m3 ; general population inhalation systemic effects acute/short term exposure 260 mg/m3 ; general population inhalation local effects acute/short term exposure 260 mg/m3 ; workers inhalation systemic effects acute/short term exposure 442 mg/m3; workers inhalation local effects acute/short term exposure 442 mg/m3
(100-41-4) workers inhalation systemic effects long term exposure 442 mg/m3 ; workers' inhalation systemic effects acute/short term exposure 884 mg/m3 ; workers inhalation local effects long term exposure 442 mg/m3; workers inhalation local effects acute/short term exposure 884 mg/m3
(108-65-6) general population inhalation systemic effects long term exposure 33 mg/m3; general population inhalation local effects long term exposure 33 mg/m3 ; general population oral systemic effects long term exposure 36 mg/kg bw/day ; workers inhalation systemic effects long term exposure 275 mg/m3 ; general population dermal systemic effects long term exposure 320 mg/kg bw/day); workers inhalation local effects acute/short term exposure 550 mg/m3); workers dermal systemic effects long term exposure 796 mg/kg bw/day

Predicted No Effect Concentration (PNEC) :
(7440-50-8) 7.8 µg/L (freshwater); 5.2 µg/L (marine water; 87 mg/kg (sediment (freshwater);676 mg/kg (sediment (marine water); 230 µg/L PNEC (sewage treatment); 65 mg/kg (soil)
(7440-22-4) 0.04 µg/L (freshwater); 0.86 µg/L (marine water); 438.13 mg/kg (sediment (freshwater)); 438.13 mg/kg (sediment (marine water); 0.025 mg/L (sewage treatment); 1.41 mg/kg (soil)
(1330-20-7) 0.327 mg/L (freshwater); 0.327 mg/L (marine water); 0.327 mg/L (freshwater (intermittent releases)); 12.46 mg/kg (sediment (freshwater); 12.46 mg/kg (sediment (marine water); 6.58 mg/L (sewage treatment); 2.31 mg/kg (soil)
(100-41-4) workers inhalation systemic effects long term exposure 442 mg/m3 ; workers' inhalation systemic effects acute/short term exposure 884 mg/m3 ; workers inhalation local effects long term exposure 442 mg/m3; workers inhalation local effects acute/short term exposure 884 mg/m3
(108-65-6) 0.635 mg/L (freshwater); 0.0635 mg/L (marine wate); 6.35 mg/L (freshwater (intermittent releases)); 3.29 mg/kg (sediment (freshwater)); 0.329 mg/kg (sediment (marine water)); 100 mg/L (sewage treatment); 0.29 mg/kg (soil)

8.2 Exposure controls

Ventilation and engineering measures

: Use only outdoors or in a well-ventilated area. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof electrical and ventilating equipment. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used. Advice should be sought from respiratory protection specialists.

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Skin protection : Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it. Wear suitable protective clothing. Depending on conditions of use, an impervious apron should be worn.

Eye / face protection : Wear eye and face protection. Wear as appropriate: Safety glasses with side shields; Tightly fitting safety goggles. A full face shield may also be necessary. See also EN 166.

Other protective equipment

: Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations

: Avoid breathing dust, fume or vapors. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice. Contaminated work clothing should not be allowed out of the workplace.

8.3 Environmental exposure controls

: Avoid release to the environment. Dike for water control.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state : Brownish, copper coloured liquid.
Colour : Brownish
Odour : Solvent odor.
Odour threshold : No information available.
pH : No information available.
Flash point : 28.9°C (based on ingredients)
Flashpoint (Method) : closed cup
Lower flammable limit (% by vol.)
: No information available.
Upper flammable limit (% by vol.)
: No information available.
Auto-ignition temperature
: No information available.
Decomposition temperature
: No information available.
Oxidizing properties : Not applicable
Explosive properties : Not explosive
Initial boiling point and boiling range
: No information available.
Melting/Freezing point : No information available.
Relative density : > 1
Solubility in water : insoluble
Other solubility(ies) : No information available.
Vapour pressure : No information available.
Vapour density : > 1 (Air = 1.0)

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Partition coefficient: n-octanol/water
: No information available.

Viscosity : No information available.

Evaporation rate (BuAe = 1)
: No information available.

Particle characteristics : Not applicable.

9.2 Other Information

Volatiles (% by weight) : No information available.

Volatile organic Compounds (VOC's)
: 337 g/L

Other physical/chemical comments
: No additional information.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity : Not normally reactive.

10.2 Chemical stability : Stable under normal conditions. After prolonged storage, may release explosive peroxides in the presence of air. Rate of peroxide formation is not known.

10.3 Possibility of hazardous reactions
: Hazardous polymerization does not occur. No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid : Avoid heat, sparks, open flames and other ignition sources. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.

10.5 Incompatible materials
: Strong oxidizing agents; Strong acids; Strong bases

10.6 Hazardous decomposition products
: None known.
Burning produces obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides.; Metal oxides.; Aldehydes; Hydrogen fluoride; Carbonyl halides; Other irritating fumes and smoke.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological effects:

Acute toxicity : According to the classification criteria of the European Union, this product is not considered as being an acutely toxic chemical.

Skin corrosion/Irritation : According to the classification criteria of the European Union, this product is not considered as being a skin corrosive or irritant.

Serious eye damage/irritation
: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation
: Not expected to be a respiratory sensitizer.

This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008. Classification:
Skin sensitization - Category 1. May cause an allergic skin reaction. May cause severe skin sensitization with allergic contact dermatitis symptoms such as swelling, rash and eczema.

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Germ cell mutagenicity	:	Contains no ingredient listed as a mutagen.
Carcinogenicity	:	This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008. Classification: Carcinogenicity - Category 1A. May cause cancer. Symptoms may include persistent coughing, shortness of breath, coughing up blood and wheezing. Contains: Zinc chromate.
Reproductive toxicity	:	Suspected of damaging fertility.
STOT-single exposure	:	According to the classification criteria of the European Union, this product is not expected to cause target organ toxicity through a single exposure.
STOT-repeated exposure	:	According to the classification criteria of the European Union, this product is not expected to cause target organ toxicity through repeated exposures. Contains: Zinc chromate. Prolonged or repeated inhalation of zinc chromate may result in adverse effects such as, epithelial necrosis and marked hyperplasia of the large and medium bronchi, with numberous openings in the bronchiolar walls. However, the concentration in this mixture is below the concentration cutoff required for classification.
Aspiration hazard	:	According to the classification criteria of the European Union, this product is not considered as being an aspiration hazard to humans.
Routes of exposure	:	Inhalation; Eye contact; Skin contact; Skin Absorption; Ingestion
Effects of acute exposure	:	Inhalation: Mild respiratory irritant. May cause coughing and breathing difficulties. Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath. Skin contact: May cause mild skin irritation. May cause redness and pain. Can be absorbed through skin. Eye contact: May cause mild eye irritation. May cause redness and pain. Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Potential Chronic Health Effects	:	Prolonged overexposure may cause slight liver and kidney effects, such as increased organ weights.

11.1.1 Acute Toxicity

Toxicological data	:	No data is available on the product itself. The calculated ATE values for this mixture are: ATE oral = 20 619 mg/kg ATE dermal = 13 514 mg/kg ATE inhalation (vapours) = 97.6 mg/L/4H See below for individual ingredient acute toxicity data.

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Chemical name	LC_{50}(4hr) inh, rat	LD_{50} (Oral, rat)	LD_{50} (Rabbit, dermal)
Copper	> 5.11 mg/L (dust) (No mortality)	> 2500 mg/kg	> 2000 mg/kg
Xylene	6350 ppm (27.6 mg/L) (vapour)	3253 mg/kg	12 180 mg/kg
Ethylbenzene	4000 ppm (17.4 mg/L) (vapour)	3500 mg/kg	15 380 mg/kg
silver	> 5.16 mg/L (dust) (No mortality)	> 2000 mg/kg (No mortality)	> 2000 mg/kg (No mortality)
2-Methoxy-1-methylethyl acetate	> 5320 ppm (28.7 mg/L) (vapour)	8532 mg/kg	> 19 200 mg/kg
Zinc Chromate	No information available.	600 mg/kg	No information available.

11.2 Information on other Hazards

: Silver in the form of a finely divided dust may cause discoloration in contact with skin, and argyrosis in case of inhalation.

11.2.1 Endocrine disrupting properties :Not applicable

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity : Very toxic to aquatic life with long lasting effects. No data is available on the product itself. The product contains the following substances which are hazardous for the environment: Xylene; Zinc chromate; Ethylbenzene; Copper; Silver. Should not be released into the environment.
See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

Ingredients	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Copper	7440-50-8	0,0068mg/L	Not available	None.
Xylene	1330-20-7	8.2 mg/L (Rainbow trout)	No information available.	None.
Ethylbenzene	100-41-4	4.2 mg/L (Rainbow trout)	1.13 mg/L (30 days) (QSAR)	None.
silver	7440-22-4	0.00155mg/L	Not available	10
2-Methoxy-1-methylethyl acetate	108-65-6	> 100 mg/L (Japanese ricefish)	No information available.	None.
Zinc Chromate	13530-65-9	0.24 mg/L (Rainbow trout)	No information available.	1

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Ingredients	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Copper	7440-50-8	0.03mg/L	Not available	None.
Xylene	1330-20-7	3.2 - 9.56 mg/L (Daphnia magna)	No information available.	None.
Ethylbenzene	100-41-4	1.81 mg/L (Daphnia magna)	No information available.	None.
silver	7440-22-4	0.00024mg/L	Not available	10
2-Methoxy-1-methylethyl acetate	108-65-6	373 mg/L (Daphnia magna)	> 100 mg/L	None.
Zinc Chromate	13530-65-9	No information available.	No information available.	None.

Ingredients	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Copper	7440-50-8	0.0426mg/L	Not available	None.
Xylene	1330-20-7	3.2 - 4.9 mg/L/72hr (Green algae)	No information available.	None.
Ethylbenzene	100-41-4	3.6 mg/L/96hr (Green algae)	3.4 mg/L/96hr	None.
silver	7440-22-4	Not available	Not available	None.
2-Methoxy-1-methylethyl acetate	108-65-6	> 1000 mg/L/72hr (Green algae)	No information available.	None.
Zinc Chromate	13530-65-9	No information available.	No information available.	None.

12.2 Persistence and degradability

: The product itself has not been tested.
The following ingredients are considered to be readily biodegradable:
2-Methoxy-1-methylethyl acetate.
Contains the following chemicals which are considered to be inherently biodegradable:
Xylene; Ethylbenzene.
Contains the following chemicals which are not readily biodegradable: silver; Copper; Zinc chromate.

12.3 Bioaccumulation potential

: The product itself has not been tested. See the following data for ingredient information.

Components	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Xylene (CAS 1330-20-7)	3.12 - 3.2	50 - 58
Ethylbenzene (CAS 100-41-4)	3.15	1.1 - 1.5
2-Methoxy-1-methylethyl acetate (CAS 108-65-6)	0.36	No information available.

12.4 Mobility in soil : The product itself has not been tested.

12.5 Results of PBT and vPvB assessment

: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Endocrine disrupting properties

: Not applicable

12.7 Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

12.8 Additional information : Not applicable

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Handling for Disposal : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Methods of Disposal : Dispose of in accordance with the European Directives on waste and hazardous waste. Waste must be classified and labelled prior to recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14. TRANSPORTATION INFORMATION

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Regulatory Information	**14.1 UN Number**	**14.2 UN proper shipping name**	**14.3 Transport hazard class(es)**	**14.4 Packing Group**	*Label*
ADR/RID	UN1866	RESIN SOLUTION	3	III	
EU ADR/RID Classification Code	F1 - Flammable liquids having a flash-point of or below 60 °C				
EU ADR / RID Hazard Identification Number	30 - flammable liquid (flash-point between 23 °C and 60 °C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 60 °C, heated to a temperature equal to or above its flash-point, or self-heating liquid.				
ADR/RID Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material.				
ICAO/IATA	UN1866	Resin solution	3	III	
ICAO/IATA Additional information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material. The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material.				
IMDG	UN1866	RESIN SOLUTION	3	III	
IMDG Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. The environmentally hazardous substance mark must appear on packagings holding more than 5 litres of the material.				

14.5 Environmental hazards : This mixture meets the criteria for an environmentally hazardous material according to the IMDG Code. See Section 12 for more environmental information.

14.6 Special precautions for user

: Appropriate advice on safety must accompany the package. Keep away from heat, sparks and open flame - No smoking.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not applicable.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

: Classification according to Regulation (EC) No. 1272/2008 on the classification of hazardous substances and mixtures.

Authorisations
Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:
None of the components are specifically listed.

Restrictions on use
Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended:
. Refer to restrictions found in REACH Annex XVII item 75. See item 47.

Directive 2012/18/EU (Seveso III) on the control of major-accident hazards involving dangerous substances:
P5c FLAMMABLE LIQUIDS
E2 Hazardous to the Aquatic Environment in Category Chronic 2

Directive 98/24/EC on the protection of the health and safety of workers from risks related to chemical agents at work:
Xylene (CAS # 1330-20-7)
Ethylbenzene (CAS # 100-41-4)
2-Methoxy-1-methylethyl acetate (CAS # 108-65-6)
Zinc chromate (CAS # 13530-65-9)
Silver Silver

Directive 94/33/EC on the protection of young people at work:
Zinc chromate (CAS # 13530-65-9)
Silver (CAS # 7440-22-4)
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended [including Regulation (EU) 2020/878].

Follow national regulation for work with chemical agents.

German legislation on water endangering substances AWSV: Water contaminating class (Germany): 3 (self classified)

15.2 Chemical safety assessment

: A chemical safety assessment has not been carried out by the Manufacturer of this product.

Parker Hannifin Ltd.,
Engineered Materials Group
Chomerics Division Europe
Unit 6 Century Point Halifax Road
High Wycombe Bucks, HP12 3SL
United Kingdom
Telephone: 044 (0) 1494 455 400

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

SECTION 16. OTHER INFORMATION

Legend : ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS: Chemical Abstract Services
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
EC: European Community
EC50: Effective Concentration 50%
EEC: European Economic Community
EN: European Standard
EU: European Union
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration
LD: Lethal Dose
NOEC: No observable effect concentration
OECD: Organisation for Economic Co-operation and Development
OEL: National occupational exposure limits
PEL: Permissible exposure limit
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
WEL: Workplace Exposure Limit

Information Source : 1. Material Safety Data Sheet from manufacturer.
2. Canadian Centre for Occupational Health and Safety, CCInfoWeb Databases
3. European Chemicals Agency, Classification Legislation
4. OECD - The Global Portal to Information on Chemical Substances

Preparation Date (dd/mm/yyyy) : 21/05/2021

Reviewed Date SDS (dd/mm/yyyy) : 12/03/2026

Revision No. : 6

Revision Information : All sections modified.

Regulation and Procedure :

SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

Based on expert judgement:
Flammable.;
Skin sensitization;
Carcinogenicity;
Reproductive toxicity;
Aquatic toxicity

H-phrases (full-text)
H225 - Highly flammable liquid and vapour.
H226 - Flammable liquid and vapour.
H302 - Harmful if swallowed.
H304 - May be fatal if swallowed and enters airways.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H332 - Harmful if inhaled.
H350 - May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H361f - Suspected of damaging fertility.
H373 - May cause damage to organs (a,b,c) through prolonged or repeated exposure.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
H411 - Toxic to aquatic life with long lasting effects.

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for:

Parker Hannifin Corp.
77 Dragon Court
Woburn, MA, USA 01888
Telephone: 001-781-935-4850
http://www.parker.com
Direct all enquiries to Parker Hannifin.

Prepared by:

ICC The Compliance Center Inc.
http://www.thecompliancecenter.com

DISCLAIMER

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by Parker Hannifin Corporation and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Parker Hannifin Corporation expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Parker Hannifin Corporation.

END OF DOCUMENT