

SAFETY DATA SHEET

COLFIN TTM-1016

469540

SECTION 1: COMPANY AND MIXTURE IDENTIFICATION

1.1 Product Name: COLFIN TTM-1016

1.2 Product Type and Use: Metal Finishing Additive

1.3 Manufacturer:

Columbia Chemical Corp.
1000 Western Drive
Brunswick, OH, 44212
330-225-3200
eh&s@columbiachemical.com

Only Representative:

Intertek France
Campus Industrial Grand
Chalon Route de Demigny
Chalon Sur Saone
France, 71102
T: +33 (0) 385 99 1280

1.4 Emergency Telephone Numbers CHEMTEL
US & CANADA 800-255-3924
INTERNATIONAL 01-813-248-0585

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the mixture according to GHS (EC 1272 -2008)

Eye Irrit. 2A, H319
Aquatic Chronic 3, H412

2.2 GHS Pictograms and H/P Statements



Signal Word: **WARNING**

Hazard and Precautionary Statements:

H319: Causes serious eye irritation

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

H412: Harmful to aquatic life with long lasting effects.

P273: Avoid release to the environment.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents/container in accordance with all local/regional/national/international regulations.

2.3 Additional Information:

None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
POLYALKYLENE OXIDE SILOXANE COPOLYMER	CAS no. 27306-78-1 EC no. 608-078-3 Reach no. Low Volume Exempt JCSL no. 7-1545	< 2%	Eye Irrit. 2, H319 Acute Tox. 4, H332 Aquatic Chronic 2, H411

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Eye Contact:	Rinse under running water for several minutes.
Skin Contact:	Flush exposed area with running water for a few minutes.
Inhalation:	Move exposed individual to fresh air.
Ingestion:	Provide two glasses of water if victim is conscious and get medical attention. Never give anything by mouth to an unconscious person.

4.2 Important symptoms and effect**acute and delayed**

Symptoms/Injuries:	Causes serious eye irritation, symptoms include redness and irritation.
Symptoms/injuries after inhalation:	In case of inhalation remove to fresh air. If symptoms persist get medical attention.
Symptoms/injuries after skin contact:	May cause skin irritation, symptoms include redness or irritation.
Symptoms/injuries after eye contact:	Causes serious eye irritation, symptoms include redness and irritation.
Symptoms/Injuries after ingestion:	May be harmful if swallowed. Symptoms include nausea and possible irritation to mouth, throat and esophagus.

4.3 Indication of any immediate medical attention and special treatment needed

No immediate medical attention or special treatment should be required while using this product as specified.

SECTION 5: FIRE FIGHTING MEASURES**5.1 Extinguishing media**

Dry chemical powder. Water spray. Carbon dioxide (CO2)

5.2 Special Hazards from the mixture

Mixture itself does not burn but may decompose upon heating to produce fumes. Cool plastic drum, pail or tote containers which may swell or rupture upon heating.

5.3 Advice for firefighters

Protection from firefighting:	Use self-contained breathing apparatus and chemically protective clothing. For further information refer to section 8, Exposure-controls/personal protection.
Other Information:	Avoid eye and skin contact.

HMIS: 1-0-0-C

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 For non-emergency personnel**

Ensure adequate ventilation, Use personal protective equipment.

6.1.2 For emergency responders

Ensure adequate ventilation, Use personal protective equipment.

6.2 Environmental precautions

Avoid discharge into soil, water or air.

6.3 Containment and clean up

Methods for cleaning up:	Contain spills, cover with absorbent, carefully sweep up material and transfer to a suitable container for disposal.
Other information:	Comply with local regulations for disposal.

6.4 Reference to other sections

Refer to section 8.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Avoid breathing mist or spray. Refer to section 8 for exposure controls.

7.2 Conditions for safe storage, including any incompatibilities

Storage Condition(s):	If frozen, warm to room temperature and mix until all solids are dissolved. Shelf life is two (2) years from date of manufacture. Store tightly closed in a dry, cool and well-ventilated place.
Incompatible materials:	No specific materials to avoid when used under normal conditions.
Storage area:	Floors should be impenetrable, resistant to liquids and easy to clean. Keep away from heat and direct sunlight. Do not store near oxidizing agents. Store in dry, cool, well-ventilated area.

7.3 Specific end use(s)

Metal Finishing

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control Parameters**POLYALKYLENE OXIDE SILOXANE COPOLYMER (27306-78-1)**

USA

ACGIH - TEL

N/A

8.2 Exposure Controls

Exposure Controls:	Maintain employee exposures to levels below the applicable exposure limits.
Ventilation:	Use local or general exhaust to reduce airborne exposures.
Respiratory Protection:	Respiratory protection should not be required under normal use with proper engineering controls. A respiratory program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed if workplace conditions warrant use of a respirator.
Hand Protection:	Wear chemical resistant gloves when handling any chemical product.
Eye Protection:	Wear chemical safety glasses and/or face shield when handling chemical products.
Skin Protection:	Wear protective clothing as appropriate.
Other:	Launder contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance:	Milky to Cream color	Flammability (solid,gas):	Liquid, water based
Odour:	None	Explosive Limits:	None
Odour Threshold:	No data available	Vapor Pressure:	No data available
pH:	8.0 - 10.5	Vapour Density:	No data available
Melting Point:	Similar to water	Relative Density:	1.000 -1.020
Solidification Point:	Similar to water	Solubility:	Complete in water
Boiling Point:	Similar to water	Self Ignition Temperature:	No data available
Flash point:	No data available	Decomposition Temperature:	No data available
Relat evapor rate comp to butylacetate:	Less than Butylacetate	Viscosity:	Thin liquid like water

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Product is stable at normal conditions.
10.2 Chemical Stability	Product may not be stable under heat, moisture, pressure, or exposure to incompatible materials.
10.3 Possibility of hazardous reactions	Product will not undergo polymerization.
10.4 Conditions to avoid	Keep away from heat. Keep out of direct sunlight.
10.5 Incompatible materials	Product may react with strong acidic and strong basic solutions.
10.6 Hazardous decomposition products	Product contains materials which may decompose into oxides of nitrogen and carbon.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Toxicological effects**

Acute toxicity:	No known acute toxicity effects when used as directed.
Skin corrosion/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	No known skin sensitization affects when used as directed.
Embryotoxic, Teratogenic, or Mutagenic:	No components identified at 0.1% or greater as causing Reproductive or Gonadotoxic effects.
Carcinogenicity:	No components listed as carcinogen or suspect carcinogen by IARC, NTP, EU or OSHA at 0.1% or greater.
Reproductive Toxicity:	No components identified at 0.1% or greater as causing Reproductive or Gonadotoxic effects.
Specific Target Organ Toxicity (STOT):	No known Specific Target Organ Toxicity when used as directed.

CARCINOGENS :

IARC :	NONE	OSHA :	NONE
NTP :	NONE	EU :	NONE

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Material is harmful to aquatic life with long lasting affects. Avoid all releases to the aquatic environment.
12.2 Persistence & Degradability	No persistence and biodegradability data available.
12.3 Bioaccumulative Potential	No known bioaccumulative potential.
12.4 Mobility in Soil	Spillage of material can lead to penetration into soil and groundwaters.
12.5 PBT and vPvB Assessment	This product does NOT contain substances which are persistent, bioaccumulative and toxic, or substances that are very persistent or very bioaccumulative per REACH Annex XIII.
12.6 Other Adverse Effects	No other adverse affects known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Waste Disposal:	Dispose of this material and its container to waste collection point. Disposal must be done according to official regulations. Do not empty into drain or the aquatic environment.
Ecology - waste materials:	Dispose of all waste in accordance with federal, state, and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT (LAND)	Not regulated by DOT
I.A.T.A / I.C.A.O (AIR)	Not regulated by IATA
I.M.D.G (SEA)	Not regulated by IMDG
ERG Info:	Not Required.
Reportable Quantity:	None
Placard:	Not Required.

14.5 Environmental Hazards This mixture is not considered environmentally hazardous according to the UN Model Regulations and is not considered a marine pollutant according to the IMDG Code.

14.6 Special Precautions No other special precautions are required for transport of this mixture.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, Health and Environmental Regulations.**

Classification according to Directive 1999/548/EC
Xi; R36

DPD Pictograms

Risk and Safety Phrases:
R36, S25, S36/37/39

INGREDIENT	CAS NUMBER	CERCLA	SARA 313	SARA 302	REACH SVHC List	ROHS 2
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NATIONAL INVENTORIES:

AICS (Australia):	Components listed	ECN (Taiwan):	Components listed
DSL (Canada):	Components listed	NDSL (Canada):	Not all components listed
ECL (Korea):	Components listed	NZIoC (New Zealand):	Components listed
EINECS (Europe):	Components listed	PICCS (Philippines):	Components listed
ENCS (Japan):	Components listed	SWISS (Switzerland):	Status not determined
IECSC (China):	Components listed	TSCA (USA):	Components listed

WHMIS: Not controlled by Canada WHMIS.

15.2 Chemical Safety Assessment A Chemical Safety Assessment has not been carried out for this mixture by the supplier.

SECTION 16 : OTHER INFORMATION**16.1 Method of Evaluation**

Mixture hazard classification per UN GHS Purple Book, (EC) 1272/2008 Article 9(4), OSHA Haz-Com 2012.

16.3 Other Information

This information is provided in good faith from current, reliable sources and is believed to be correct. No warranty is expressed, implied, or given. The seller of this material assumes no responsibility for any damages resulting from contact with this material

16.4 Revision History

4/1/16: Rev. S9.

6/17/15: Rev. GHS format.

12/3/14: Rev. S2, 3, and 16.

4/7/14: New release