Safety Data Sheet

York 107A + MIC

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

1.1 Product Identifier

Trade Name York 107A + MIG

Product Number YRK107A+

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Welding Process Aid

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer: Weld-Aid Products
14650 Dequindre
Detroit , Michigan

Information Phone Number: +1 (313) 883-6977
+1 (313) 883-4930

E-mail info@weldaid.com

1.4 Emergency Telephone Number

Emergency Spill Information +1 (800) 255-3924

SDS Date of Preparation: October 6, 2014

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Physical:	**Health:**	**Environmental**
Flammable Aerosol Category 1 (H222) Gas Under Pressure – Compressed Gas (H280)	Eye Irritation Category 2A (H319)	Not Hazardous

EU Classification (67/548/EEC): Extremely Flammable (F+), R12

2.2 Label Elements

WARNING!

Hazard Phrases

H222	Extremely flammable aerosol.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation

Precautionary Phrases

P210	Keep away from heat, sparks, open flames and hot surfaces. – No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P264	Wash thoroughly after handling.
P280	Wear eye protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical attention.
P410 + P412	Protect from sunlight. Do not exposure to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Chemical Name	CAS# /	EINECS#	EU Classification (67/548/EEC)	GHS Classification Regulation (EC) No 1272/2008	%
Liquefied Petroleum Gas	68476-85-7	270-704-2	F+; R12	Flammable Gas Category 1 (H220) Gas Under Pressure – Compressed Gas (H280)	45-55
White Mineral Oil	8042-47-5	232-455-8	Not classified as dangerous	Not classified as hazardous	40-50
Oleic Acid	112-80-1	204-007-1	Xi R36	Eye Irritation Category 2A (H319)	1- <10

See Section 16 for further information on EU and GHS Classification.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye: Flush eyes immediately with water for several minutes, holding the eyelids apart. If irritation persists, call a physician.

Skin: Wash exposed area thoroughly with soap and water. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.

Inhalation: Remove to fresh air. If breathing is difficult have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Get medical attention**.**

Ingestion: Ingestion is an unlikely route of exposure for aerosol products. If ingestion occurs rinse mouth with a small amount of water. Never give anything by mouth to an unconscious or drowsy person. Get medical attention.

4.2 Most Important symptoms and effects, both acute and delayed: May cause eye irritation. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, drowsiness, nausea and unconsciousness.

4.3 Indication of any immediate medical attention and special treatment needed: None required.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

Use carbon dioxide, dry chemical or foam to extinguish fire. Cool fire exposed containers with water.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards: Contents under pressure. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors are heavier than air and may and accumulate in low lying area.

Hazardous Decomposition Products: Combustion may produce oxides of carbon.

5.3 Advice for Fire-Fighters:

Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces. Cool fire exposed containers with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Eliminate all ignition sources. Ventilate area. Wear appropriate protective clothing as described in Section 8.

6.2 Environmental Precautions:

Report spill as required by local and federal regulations.

6.3 Methods and Material for Containment and Cleaning Up:

Contain and collect using an absorbent material and place in an appropriate container for disposal. Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated.

6.4 Reference to Other Sections:

Refer to Section 8 for protective equipment and Section 15 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Avoid contact with the eyes, skin and clothing. Avoid breathing vapors. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Do not use in poorly ventilated or confined spaces. Vapors are heavier than air and will collect in low areas. Wash thoroughly with soap and water after handling and before eating, drinking or using restroom. Contents under pressure. Do not puncture or incinerate container. Do not eat, drink or smoke in work areas.

Do not cut, drill, grind or weld on or near containers, even empty containers. Follow all SDS precautions when handling empty containers.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in a cool, dry, well ventilated area away from ignition sources. Store away from oxidizers and other incompatible materials. Do not store above 120°F. Keep away from heat, sparks and open flames. Store away from direct sunlight.

7.3 Specific end use(s):

Welding applications.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	Exposure Limits
White Mineral Oil	5 mg/m3 TWA ACGIH TLV (inhalable) 5 mg/m3 TWA OSHA PEL (as oil msit) 10 mg/m3 STEL UK OEL
Oleic Acid	None Established
Liquefied Petroleum Gas	1000 ppm TWA OSHA PEL 1000 ppm TWA UK OEL; 1250 ppm STEL

Refer to local regulations if exposure limits are not listed above.

8.2 Exposure Controls:

Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Respiratory Protection: None required for normal use. Use and approved oil mist respirator if exposure levels exceed the applicable exposure limits. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Impervious gloves are recommended if needed to avoid prolonged or repeated contact. Suggested materials for protective gloves include: Rubber, Neoprene or Nitrile.

Eye Protection: Chemical safety goggles should be worn if contact is possible.

Other: Impervious clothing as needed to prevent prolonged skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Clear water-white to yellow liquid.	**Vapor Density:** >1 (air = 1)
Odor: Mild odor.	**Specific Gravity:** >1 (Concentration)
Odor Threshold: No data available	**Water Solubility:** Negligible
pH: Not available	**Octanol/Water Partition Coefficient:** Not available
Melting Point/Freezing Point: Not applicable	**Autoignition Temperature:** Not available
Boiling Point: <600°F	**Decomposition Temperature:** Not available
Flash Point: >200°F (>392°C) (concentrate)	**Viscosity:** Not available

Evaporation Rate: <1 (ether =1)	**Explosion Properties:** Not explosive
Flammable Limits: LEL: 1.8% (LPG) UEL: 9.2% (LPG)	**Oxidizing Properties:** Not oxidizing
Vapor Pressure: 117 mmHg @ 130°F	

9.2 Other Information:
None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:
Not reactive under normal conditions of use.

10.2 Chemical Stability:
Stable under normal storage and handling conditions.

10.3 Possibility of Hazardous Reactions:
None known.

10.4 Conditions to Avoid:
Keep away from heat, sparks and open flames. Do not store in direct sunlight.

10.5 Incompatible Materials:
Avoid contact with oxidizing agents.

10.6 Hazardous Decomposition Products:
Thermal decomposition may produce carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:
Eye: May cause irritation with redness and tearing. Corneal injury is unlikely.
Skin: Prolonged or repeated exposure may cause redness, irritation and dryness.
Inhalation: No harmful effects known.
Ingestion: Very low toxicity if swallowed. No adverse effects are expected from swallowing small amounts.

Acute Toxicity Values:
White Mineral Oil: Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 > 5 mg/L/4 hr, Dermal rabbit LD50 >2000 mg/kg
Oleic Acid: Oral rat LD50 74 g/kg, Dermal guinea pig LD50 >3000 mg/kg
Liquefied Petroleum Gas: Inhalation rat LC50 1237 mg/L/ hr (structurally similar chemical)

Irritation: No data available. Product is expected to cause eye irritation. Oleic acid will cause eye irritation.

Corrosivity: This is not a corrosive product.

Sensitization: This product is not expected to cause sensitization.

Repeat Dose Toxicity: In a 13 week inhalation study, rats were exposed to 1000, 5000 and 10000 ppm of liquefied gas for 6hr/days/week. No treatment effects were noted. NOAEC 10000 ppm.

Carcinogen Status: None of the components are listed as carcinogens by IARC, NTP, ACGIH, OSHA or the CLP Regulation (EC) No 1272/2008.

Germ Cell Mutagenicity: No data available. This product is not expected to cause mutagenic activity.

Toxicity for Reproduction: No data available. This product is not expected to cause adverse reproductive effects.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

White Mineral Oil: 96 hr LL50 Oncorhynchus mykiss > 100 mg/L, 48 hr LL50 daphnia magna 100 mg/L
Oleic Acid: 96 hr LC50 Pimephales promelas 205 mg/L
Liquefied Petroleum Gas: 96 hr LC50 Fish 147.54 mg/L (calculated), 48 hr LC50 daphnia magna 16.33 mg/L (calculated), 96 hr EC50 algae 11.89 mg/L (calculated)

12.2 Persistence and Degradability:

No data available.

12.3 Bioaccumulative Potential::

Not expected to bioacumulate.

12.4 Mobility in Soil:

No data available.

12.5 Results of PBT and vPvB Assessment:

Not required.

12.6 Other Adverse Effects:

None known.

SECTION 13: DISPOSAL INFORMATION

13.1 Waste Treatment Methods

Dispose in accordance with local and national environmental regulations.

SECTION 14: TRANSPORT INFORMATION

	41.1 UN Number	**41.2 UN Proper Shipping Name**	**14.3 Transport Hazard Class(s)**	**14.4 Packing Group**	**14.5 Environmental Hazards**
US DOT	UN1950	Aerosols	2.1	Not applicable	No
EU ADR/RID	UN1950	Aerosols	2.1	Not applicable	Yes
IMDG	UN1950	Aerosols	2.1	Not applicable	Yes

14.6 Special Precautions for User:

None

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable – product is transported only in packaged form.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

International Inventories:

US EPA TSCA Inventory: All of the components are listed on the TSCA inventory.
Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List.
European Union: All of the components of this product are listed on the European Inventory of New and Existing Chemica Substances (EINECS) inventory.
Australia: All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).
China: All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).
Korea: All of the components of this product are listed on the Korean Existing Chemical List (KECL).
New Zealand: All of the components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC).

Philippines: All of the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).

U.S. REGULATIONS

CERCLA: This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

EPA SARA 311 Hazard Classification: Acute Health, Fire Hazard, Sudden Release of Pressure

EPA SARA 313: This product contains the following chemicals that are regulated under SARA Title III, section 313:
None

California Proposition 65: This product contains the following chemicals which are known to the State of California to cau cancer, reproductive toxicity or birth defects: None

INTERNATIONAL REGULATIONS

WHMIS Classification: Class A, Compressed Gas, Class B5 (Flammable Aerosol), Class D-2B (Toxic materials causing other chronic effects),

15.2 Chemical Safety Assessment:
Not required

SECTION 16: OTHER INFORMATION

SDS Revision History:
12/15/11: Converted US SDS to EU REACH SDS
10/6/14: Section 2 GHS Classification, EU Classification, Hazard Phrases, Precautionary Phrases, Section 3 GHS Classification, Composition, Section 4 First Aid – Eyes, Section 8 Exposure Limits, Section 10 Conditions to Avoid, Section 11 Toxicological Effects Inhalation, ACUTE Toxicity Values, Section 12 Toxicity, Section 15 WHMIS classification, Section 16 GHS Phrases for Reference

GHS Phrases for Reference (See Section 2 and 3):
H220 Extremely flammable gas
H280 Contains gas under pressure; may explode if heated.
H319 Causes serious eye irritation

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):
F+ Extremely Flammable
Xi Irritant
R12 Extremely flammable
R36 Causes eye irritation.

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