



OSBORN ANTI-SPATTER 76243

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	OSBORN ANTI-SPATTER 76243
Product Code	M-5822

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

Identified Use(s)	Welding Product
Uses Advised Against	None

Company Identification	Osborn 2350 Salisbury Road North Richmond, IN 47374 USA
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Telephone	(765) 965-5333
Fax	(765) 935-0212
E-Mail (competent person)	marketsupport@osborn.com

Emergency telephone number

Emergency Phone No.	Transportation Emergency: CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Flam. Aerosol 1; Liquefied gas; Eye Irrit. 2; STOT SE 3

Label elements

Hazard Symbol



Signal word(s)

DANGER

Hazard Statement(s)

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Wear eye/face protection.
Wash hands thoroughly after handling.
Avoid breathing spray.
Use only outdoors or in a well-ventilated area.
Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

Other hazards

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Methyl ethyl ketone	> 60	78-93-3	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Propane	20 - 30	74-98-6	Flam. Gas 1; H220 Liquefied gas; H280
Talc- Hydrous magnesium silicate	< 5	14807-96-6	Eye Irrit. 2; H319
Zinc distearate	< 5	557-05-1	Aquatic Acute 1; H400

Additional Information - None

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact

Wash affected skin with soap and water. If symptoms develop, obtain medical attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Do not give anything by mouth to an unconscious person. Seek medical treatment.

Most important symptoms and effects, both acute and delayed

May cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray. Do not use water jet.

Special hazards arising from the substance or mixture

Pressurised container: May burst if heated

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition. Avoid contact with skin and eyes. Avoid breathing vapors.



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Environmental precautions

Prevent liquid entering sewers, basements and work pits.

Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections

None

Additional Information

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Use product in a well-ventilated area only. Avoid contact with skin and eyes. Avoid breathing vapors.

Conditions for safe storage, including any incompatibilities

-Storage temperature

Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

-Incompatible materials

This product should be stored away from sources of strong heat or oxidizing chemicals. Strong Reducing agents. Halogenated compounds. Copper and Copper alloys. Isocyanates. Strong acids and Strong bases.

Specific end use(s)

Welding Product

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Methyl ethyl ketone	78-93-3	200 ppm	200 ppm	-----	300 ppm	-----
Propane	74-98-6	1000 ppm	Aspyx. #	-----	-----	#

*Assure minimum oxygen content of work atmosphere.

Recommended monitoring method

NIOSH 2500 (MEK)

Exposure controls

Appropriate engineering controls

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

Wear suitable gloves if prolonged skin contact is likely (Butyl rubber)



Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.



Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

None known

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Aerosol Spray
Color.	Colorless
Odor	Characteristic. Acetone-like.
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	-86.65 (Methyl ethyl ketone)
Boiling point/boiling range (°C):	79.59 (Methyl ethyl ketone)
Flash Point (°C)	-8 (Methyl ethyl ketone)
Evaporation Rate	Not available
Flammability (solid, gas)	Extremely flammable
Explosive Limit Ranges	2.1% - 9.5% v/v (Propane)
Vapor pressure (Pascal)	ca. 95×10^4 (Propane)
Vapor Density (Air=1)	ca. 1.56 @ 0°C (Propane)
Density (g/ml)	0.81 @ 20 °C (Methyl ethyl ketone)
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	404 (Methyl ethyl ketone)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	Strong oxidizing agents. Strong Reducing agents. Halogenated compounds. Copper and Copper alloys. Isocyanates. Strong acids and Strong bases.
Hazardous decomposition product(s)	Formation of carbon oxides under fire conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Substances in preparations / mixtures

Methyl Ethyl Ketone (CAS No. 78-93-3)

Acute toxicity

Oral LD50 = 3460 mg/kg (rat)
 Dermal LD50 >10 ml/kg (rabbit)
 Inhalation LC50 >5041 ppm (6 hour(s)) (rat) - Vapours may cause drowsiness and dizziness.

Irritation/Corrosivity

Causes serious eye irritation. Unlikely to cause skin irritation.

Sensitization

It is not a skin sensitizer.

Repeated dose toxicity

Inhalation NOAEL \geq 5041 ppm (rat)



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Carcinogenicity

It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity

Negative.

Reproductive toxicity

Negative.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Methyl Ethyl Ketone (CAS No. 78-93-3):

Short term

LC50 (96 hour): 2,993 mg/l (Pimephales promelas – Fathead minnow)
EC50 (48 hour): 308 mg/l (*Daphnia magna* – Water flea)
EC50 (96 hour): 2,029 mg/l (*Pseudokirchneriella subcapitata* – Green algae)

Long Term

Not available.

Persistence and degradability

Biodegradable

Bioaccumulative potential

The product has no potential for bioaccumulation.

Mobility in soil

Not available.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

	U.S. DOT	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	1950	1950	1950
Proper Shipping Name	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
Transport hazard class(es)	2.1	2.1	2.1
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Methyl ethyl ketone	78-93-3	68	5,000

SARA 311/312 - Hazard Categories:

☒ Fire ☒ Sudden Release ☐ Reactivity ☒ Immediate (acute) ☐ Chronic (delayed)



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SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	----

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	----	----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 3.

Date of preparation: May 25, 2015

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapor.
- H280: Contains gas under pressure; may explode if heated.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H400: Very toxic to aquatic life.

Training advice: None.

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