



## Safety Data Sheet

acc. to OSHA GHS (29 CFR 1910.1200)

Printing date 09/17/2015

Reviewed on 09/17/2015

### 1 Identification

- **Product identifier**
- **Trade name:** 1630 Safe-T-Spat Anti-Spatter & Nozzle Shield
- **Other means of identification** 0162000D/E
- **SDS Number:** 0071
- **Recommended use and restriction on use**
- **Recommended use:** Welding
- **Restrictions on use:** No relevant information available.
- **Manufacturer/Importer/Supplier/Distributor information**
- **Manufacturer/Supplier:**  
Harris Products Group  
4501 Quality Place  
Mason, Ohio 45040 US  
513-754-2000
- **Safety Data Sheet Questions:** [salesinfo@jwharris.com](mailto:salesinfo@jwharris.com)
- **Arc Welding Safety Information:** [www.lincolnelectric.com/safety](http://www.lincolnelectric.com/safety)
- **24-Hour Emergency Response Telephone Numbers:**  
1-866-519-4752 (USA, Canada, Mexico only)
- (+) 1-760-476-3962
- **3E Company Access Code:** 333895

### 2 Hazard(s) identification

Classified according to the criteria of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS), OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Controlled Products Regulations.

- **Classification of the substance or mixture**



GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Additional information:**  
There are no other hazards not otherwise classified that have been identified.  
0 % of the mixture consists of component(s) of unknown toxicity.

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- **Label elements**
- **GHS label elements**
- **Hazard pictograms:**



GHS04 GHS07

- **Signal word:** Warning
- **Hazard-determining components of labeling:**  
ammonia, aqueous solution
- **Hazard statements:**
  - H280 Contains gas under pressure; may explode if heated.
  - H319 Causes serious eye irritation.
- **Precautionary statements:**
  - P264 Wash thoroughly after handling.
  - P280 Wear protective gloves and 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 advice/attention.
  - P410+P403 Protect from sunlight. Store in a well-ventilated place.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

1336-21-6	ammonia, aqueous solution	< 1%
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- **Additional information:**  
For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.

- **Composition comments:**  
The term "Dangerous components" should be interpreted as a term defined in Hazard Communication standards and does not necessarily imply the existence of a hazard. The product may contain additional nonhazardous ingredients or may form additional compounds under the condition of use. Refer to Sections 2 and 8 for more information.

### 4 First-aid measures

- **Description of first aid measures**
- **General information:** Take affected persons out into the fresh air.
- **After inhalation:**  
Supply fresh air.  
Provide oxygen treatment if affected person has difficulty breathing.  
Seek medical treatment in case of complaints.

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- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Unlikely route of exposure.  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; immediately call for medical help.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:**  
Slight irritant effect on skin and mucous membranes.  
Coughing  
Irritant to eyes.  
Nausea
- **Danger:** No relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**  
If necessary oxygen respiration treatment.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Water fog / haze  
Foam  
Fire-extinguishing powder  
Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water stream.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Special fire fighting procedures:**  
Use standard firefighting procedures and consider the hazards of other involved materials.
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information:**  
Cool endangered receptacles with water fog.  
If aerosols are bursting, stay clear until safe. Aerosol containers can be projectiles when bursting.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Ensure adequate ventilation.  
Use personal protective equipment as required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Pick up mechanically.  
Send for recovery or disposal in suitable receptacles.  
Dispose of the collected material according to regulations.
- **Reference to other sections:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling**
- **Precautions for safe handling:**  
Use only in well ventilated areas.  
Avoid contact with the eyes and skin.
- **Information about protection against explosions and fires:**  
Pressurized container: May burst if heated.  
Do not spray on a naked flame or any incandescent material.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Observe official regulations on storing packagings with pressurized containers.  
Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
- **Specific end use(s):** No relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Exposure Guidelines:**  
Threshold Limit Values (TLVs) and Biological Exposure Indices (BEIs) are values published by the American Conference of Government Industrial Hygienists (ACGIH). ACGIH Statement of Positions Regarding the TLVs® and BEIs® states that the TLV-TWA should be used as a guide in the control of health hazards and should not be used to indicate a fine line between safe and dangerous exposures. See Sections 2, 3, 8, 10, and 11 for information on potential fume constituents of health interest. Threshold Limit Values are figures published by the American Conference of Government Industrial Hygienists.

- **Components with limit values that require monitoring at the workplace:**

#### 1336-21-6 ammonia, aqueous solution

PEL (USA)	35 ppm
REL (USA)	25 ppm
TLV (USA)	25 ppm

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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.  
Use only in well ventilated areas.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:**  
Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment** No relevant information available.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General information**

- **Appearance:**

**Form:** Aerosol

**Color:** Clear

Yellow

· **Odor:** Slight

· **Odor threshold:** Not determined.

· **pH-value:** 9.3 - 9.9

- **Change in condition:**

**Melting point/Melting range:** Not applicable, as aerosol.

**Boiling point/Boiling range:** >93 °C (>199 °F)

· **Flash point:** Not applicable, as aerosol.

· **Flammability (solid, gaseous):** Not applicable.

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· <b>Auto-ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not self-igniting.
· <b>Danger of explosion:</b>	Not determined.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Oxidizing properties</b>	Non-oxidizing.
· <b>Vapor pressure:</b>	Not determined.
· <b>Density:</b>	0.99 - 1.01 g/ml
· <b>Relative density:</b>	Not determined.
· <b>Vapor density:</b>	Not determined.
· <b>Evaporation rate:</b>	Not applicable.
· <b>Solubility in / Miscibility with:</b>	
<b>Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Other information</b>	No relevant information available.

### 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:**  
Reacts with strong oxidizing agents.  
Reacts with strong acids.
- **Conditions to avoid:** Excessive heat.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:**  
Carbon monoxide  
Ammonia

### 11 Toxicological information

- **Information on likely routes of exposure**
- **Ingestion:** Unlikely route of exposure.
- **Inhalation:** Yes

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- **Skin Contact:** Yes
- **Eye Contact:** Yes
- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** Slight irritant effect on skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

### 12 Ecological information

- **Persistence and degradability:** No relevant information available.
- **Behavior in environmental systems**
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Additional ecological information**
- **General notes:** Avoid transfer into the environment.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No relevant information available.

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## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Contact waste processors for recycling information.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packagings**

- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **UN-Number**

- **DOT, ADR, IMDG, IATA**

UN1950

- **UN proper shipping name**



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3 gal).

- **DOT**

Aerosols

- **ADR**

1950 AEROSOLS

- **IMDG**

AEROSOLS

- **IATA**

AEROSOLS, non-flammable

- **Transport hazard class(es)**

- **DOT**



- **Class**

2.2

- **Label**

2.2

- **ADR**



- **Class**

2 5A Gases

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· Label	2.2
· IMDG, IATA	
	
· Class	2.2
· Label	2.2
· Packing group	Aerosols are not assigned a packing group.
· Environmental hazards	Not applicable.
· Special precautions for user	Warning: Gases
· EMS Number:	F-D,S-U
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation"	UN 1950 AEROSOLS, 2.2

### 15 Regulatory information

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

· US Federal Regulations

None of the ingredients are listed.

· SARA

· Section 302 (extremely hazardous substances):

None of the ingredients are listed.

· Section 304 (emergency release notification):

None of the ingredients are listed.

· Sections 311/312 (hazardous chemical threshold planning quantity in pounds):

None of the ingredients are listed.

· Section 313 (TRI reporting)

1336-21-6 ammonia, aqueous solution

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· CERCLA Hazardous Substance List (40 CFR 302.4):

1336-21-6 ammonia, aqueous solution

· TSCA (Toxic Substances Control Act)

All ingredients are listed.

· Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

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- **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

- **Proposition 65 (California)**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

- **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

- **State Right to Know Listings**

- **US. New Jersey Worker and Community Right-to-Know Act**

ammonia, aqueous solution

- **US. Massachusetts RTK - Substance List**

ammonia, aqueous solution

- **US. Pennsylvania RTK - Hazardous Substances**

ammonia, aqueous solution

- **US. Rhode Island RTK**

ammonia, aqueous solution

- **Canada**

- **Canadian substance listings**

- **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

- **Canada Non-Domestic Substances List (NDSL)**

None of the ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 0.1%):**

None of the ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 1%):**

None of the ingredients are listed.

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· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

· **Date of preparation / last revision** 09/17/2015 / -

· **Abbreviations and acronyms:**

Press. Gas: Gases under pressure: Compressed gas

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

· \* **Data compared to the previous version altered.**

· **Disclaimer:**

We urge each end user and recipient of this SDS to study it carefully. If necessary consult an industrial hygienist or other expert to understand this information and safeguard the environment and protect workers from potential hazards associated with the handling or use of this product.

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