



HYDRA S



HS-CUTTING COMPOUND | SAFETY DATA SHEET

1. COMPANY & PRODUCT IDENTIFICATION

1.1	PRODUCT NAME	HS-CUTTING COMPOUND
	IDENTIFICATION NUMBER	
	PRODUCT USE/CLASS	Suspension of amorphous silica in water in combination with nonhazardous trade secret.
	CAS NUMBER	7631-86-9
	SUPPLIER	Hydra-S 52 E Burdick St. #247 Oxford, MI. 48371.
	EMAIL:	info@hydras-products.com

2. HAZARD IDENTIFICATION

2.1	CLASSIFICATION	Product is not classified as hazardous under GHS criteria or OASHA Hazard Communication Standard (29 CFR 1910.1200)
2.2	GHS LABEL ELEMENTS	None
2.3	SYMBOL(S)	None
2.4	SIGNAL WORD(S):	None
2.5	HAZARD STATEMENT(S):	None
2.6	PRECAUTIONARY STATEMENT(S) PREVENTION:	P261 Avoid breathing dust/mists P264 Wash hands thoroughly after handling P280 Wear protective gloves/clothing/eye/face protection

- 2.7 RESPONSE:** P330 Rinse mouth
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.
 P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.
 P314 Get medical advice/attention if you feel unwell.
- 2.8 STORAGE:** P402+P404 Store in a dry place. Store in a closed container.
- 2.9 DISPOSAL:** P501 Dispose of contents/container according to all applicable Local/State/Federal regulations.
- OTHER HAZARDS:** See Section 11 for health effects. See Section 12 for environmental effects.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT NAME	CAS NUMBER	CONCENTRATION (% BY WT)
Synthetic Amorphous Silica	7631-86-9	5-20 %
Trade Secret	Trade Secret	1-10%

4. FIRST AID MEASURES

4.1 FIRST AID MEASURES

EYE:

Remove any contact lenses if easily done. Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN:

Wash with soap and water. Get medical attention if irritation develops or persists.

INHALATION:

In case product dust is released: Possible discomfort via coughing and sneezing. Remove to fresh air.

ORAL:	If accidentally swallowed, rinse mouth thoroughly with water and afterwards, drink plenty of water. In case of discomfort, obtain medical attention.
MOST IMPORTANT SYMPTOMS/EFFECTS	None known
NOTES TO PHYSICIAN	No hazards which require special first aid measures

5. FIRE FIGHTING MEASURES

5.1	FLAMMABILITY ASSESSMENT	Not flammable
5.2	UNSUITABLE EXTINGUISHING MEDIA	None Known
5.3	SPECIFIC FIREFIGHTING MEASURES	All extinguishing methods are suitable for any firefighting in area of product storage or use..
5.4	SPECIFIC HAZARDS DURING FIREFIGHTING	None known
5.5	SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS	As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1	PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	Wear personal protective equipment. See section 8
6.2	METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	Collect using pump or absorbent. Place material into properly labeled sealed containers. After cleaning, rinse area with water. No special environmental precautions are required. Dispose of material in accordance with local regulations.

8.1 ENGINEERING CONTROLS	
LOCAL VENTILATION:	Provide adequate exhaust ventilation to keep dust concentration below occupational exposure guidelines. (3mg/m ³).
GENERAL VENTILATION:	Recommended
PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING AND SPILLS	
EYES:	Wear safety glasses with side shields (or goggles) and a face shield.
SKIN:	The glove(s) listed below may provide protection against permeation.
SUITABLE GLOVES:	rubber, leather, latex, nitrile
INHALATION/SUITABLE RESPIRATOR:	A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. Niosh's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.
PRECAUTIONARY MEASURES:	Wash hands before eating or smoking. Remove contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

FLASH POINT	NA
FLAMMABILITY LIMITS IN AIR	
LOWER LIMIT	NA
UPPER LIMIT	NA
AUTO-IGNITION TEMPERATURE	NA
DECOMPOSITION TEMPERATURE	NA
FLAMMABILITY	Not Flammable
APPEARANCE	Clear to white liquid
ODOR	None
ODOR THRESHOLD	NA
PH (100.0 % @ 25°C)	9.0-10.5
MELTING/FREEZING POINT	32 F / 0 C
BOILING POINT	212 F / 100 C

EVAPORATION RATE	Equal to water
VISCOSITY @ 25°C	< 100 cPs
VOLATILE ORGANIC %	ND
VAPOR PRESSURE	NA
VAPOR DENSITY (AIR=)	ND
BULK DENSITY @ 25°C	NA
RELATIVE DENSITY @ 25°C	1.0-1.5
SOLUBILITY IN WATER	Miscible
PARTITION COEFFICIENT (N-OCTANOL/WATER)	NA

The Physical data presented here are representative values, as the actual product's values may vary slightly.

10. STABILITY AND REACTIVITY

10.1	REACTIVITY	None expected
10.2	CHEMICAL STABILITY	Stable under normal storage/use conditions
10.3	POSSIBILITY OF HAZARDOUS REACTIONS	None known
10.4	CONDITIONS TO AVOID	None known
10.5	INCOMPATIBLE MATERIALS	None known
10.6	HAZARDOUS DECOMPOSITION PRODUCTS	None known

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL:	LD50 Rat: >1000 mg/kg
DERMAL:	LD50 Rat: >2000 mg/kg
INHALATION:	Information not available
SKIN CORROSION/IRRITATION:	Rabbit: Not irritating
SERIOUS EYE DAMAGE/IRRITATION:	Rabbit: Not irritating
RESPIRATORY SENSITIZATION:	Silicosis or other product specific illness or the respiratory tract has not been reported.
SKIN SENSITIZATION:	Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash).
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	Information not available
ASPIRATION HAZARD:	Information not available

CHRONIC EFFECTS

GERM CELL MUTAGENICITY:	Negative
CARCINOGENICITY:	Not expected
REPRODUCTIVE TOXICITY:	Not expected
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):	Not determined

LIKELY ROUTES OF EXPOSURE/SYMPTOMS:

EYE:	May cause eye irritation
SKIN:	Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash).
INHALATION:	Prolonged inhalation may cause irritations of the respiratory tract.
ORAL:	No hazard expected in normal use.

12. ECOLOGICAL INFORMATION

12.1 ECOTOXICITY	
TOXICITY TO FISH:	LC50 (Brachrdanio reio): >10000 mg/l /96 hr. Method: OECD 203
TOXICITY TO DAPHNIA:	EC50 Daphnia magna: >10000 mg/l /24 hr. Method: OECD 2022
PERSISTENCE AND DEGRADABILITY	Solids removed from water by sedimentation or binding to sludge.
BIOACCUMULATIVE POTENTIAL	Solution is not expected to bio-accumulate.
MOBILITY IN SOIL	Not expected
OTHER ADVERSE EFFECTS	Increase in TSS. Materials can be removed by sedimentation or flocculation into sludge.

13. DISPOSAL CONSIDERATIONS

13.1 DISPOSAL CONSIDERATIONS	Dispose as dry waste in accordance with all local, state and federal regulations.
13.2 EMPTY CONTAINER WARNINGS	If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

14. TRANSPORT INFORMATION

14.1 DOT ROAD SHIPMENT INFORMATION (49 CFR 172.101)	Not regulated by DOT, IMDG, ICAO/IATA.
14.2 AIR SHIPMENT (IATA)	Not regulated by DOT, IMDG, ICAO/IATA.
14.3 OCEAN SHIPMENT (IMDG)	Not regulated by DOT, IMDG, ICAO/IATA.
14.4 TRANSPORT IN BULK:	Not regulated by DOT, IMDG, ICAO/IATA.

15. REGULATORY INFORMATION

INTERNATIONAL CHEMICAL INVENTORY STATUS

USA (TSCA)

Components of this product are listed

DSL

Components of this product are listed

EINICS

Components of this product are listed

AICS

Components of this product are listed

CANADIAN WHMIS

This SDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS

Not a WHMIS control material.

EPA SARA TITLE III CHEMICAL LISTINGS

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES			
COMPONENT NAME	CAS NUMBER	WT %	HAZARD
None			

SECTION 304 CERCLA HAZARDOUS SUBSTANCES			
COMPONENT NAME	CAS NUMBER	WT %	REPORTABLE QUANTITY (#)
None			