

Safety Data Sheet

**Section 1: Identification****Product identifier****Product Name** Hasco Sol 301A**Relevant identified uses of the substance or mixture****Recommended use** Metalworking Fluid - Soluble**Details of the supplier of the safety data sheet****Manufacturer** Hasco Oil Company Inc.2800 Temple Ave
Long Beach, CA 90806
United States
www.hascooil.com**Telephone(General)** (562) 595-8491**Emergency telephone number****Manufacturer** (800) 424-9300 - Chemtrec USA**Section 2: Hazard Identification****UN GHS**

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Classification of the substance or mixture**UN GHS** Eye Irritation 2A**Label elements****UN GHS****WARNING****Hazard statements** MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION
MAY CAUSE RESPIRATORY TRACT IRRITATION**Precautionary statements****Prevention** Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

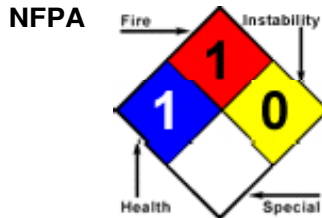
Response If exposed or concerned: Get medical advice/attention.
 Take off contaminated clothing and wash before reuse.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention.

Storage/Disposal Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards

UN GHS No data available

Other information



Section 3 - Composition/Information on Ingredients

Substances

Mixtures

Composition		
Chemical Name	Identifiers	%
Mineral oil, petroleum distillates, hydrotreated (severe) light naphthenic	CAS:64742-53-6	80% TO 90%
Petroleum sulfonic acids, sodium salts	Proprietary	1% TO 5%

Section 4: First-Aid Measures

Description of first aid measures

Inhalation If inhaled, remove to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Get medical attention.

Skin After contact with skin, immediately flush skin with plenty of water for at least 15 minutes. Take off immediately all contaminated clothing and shoes and wash immediately before reuse. Get medical attention if irritation develops.

Eye If in eyes: 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 induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person. If large quantities are swallowed, call a physician immediately.

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media Use an extinguishing agent suitable for surrounding fire.
Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable Extinguishing Media Do not use water jet.

Firefighting Procedures No actions shall be taken involving any personal risk or without suitable training.
Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards Non-explosive in the presence of the following materials or conditions: open flames, sparks, and static discharge, heat, shocks and mechanical impacts.

Hazardous Combustion Products Combustion products may include the following: Carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide), sulfur oxides (SO₂, SO₃ etc)

Advice for firefighters Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment. Follow all fire fighting procedures. Ventilate enclosed areas.

Emergency Procedures As an immediate precautionary measure, isolate spill or leak area in all directions. Keep unauthorized personnel away.

Environmental precautions

LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas. Avoid contact of spilled material with soil and prevent runoff entering surface waterways.

Methods and material for containment and cleaning up

Containment/Clean-up Measures **LARGE SPILL:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. **SMALL SPILL:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7 - Handling and Storage

Precautions for safe handling

Handling Avoid contact with skin and clothing. Avoid contact with eyes. Use only with adequate ventilation. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable. Wash thoroughly after handling. Do not add nitrates to the fluid.

Conditions for safe storage, including any incompatibilities

Storage Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 10). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8 - Exposure Controls/Personal Protection

Control parameters

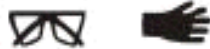
Exposure Limits/Guidelines No data available.

Exposure controls

Engineering Measures/Controls Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal Protective Equipment

Pictograms



Respiratory

Use only in adequate ventilation. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable.

Eye/Face

Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with eyes.

Hands

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

Skin/Body

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

Environmental Exposure Controls

No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Liquid
Color	Clear Dark Brown	Odor	Mild Petroleum
Taste	Not relevant	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	Not relevant	Physical and Chemical Properties	Liquid
General Properties			
Boiling Point	No Data Available	Melting Point	No Data Available
Decomposition Temperature	No Data Available	Heat of Decomposition	No Data Available
pH	Not Relevant	Specific Gravity/Relative Density	~ 0.914 g/cc @ 60F
Density	No Data Available	Bulk Density	No Data Available
Water Solubility	Soluble	Solvent Solubility	No Data Available
Viscosity	37 Centistoke (cSt, cS) or mm ² /sec @ 40 C(104 F)	Explosive Properties	Not relevant
Oxidizing Properties:	No Data Available		
Volatility			
Vapor Pressure	No Data Available	Vapor Density	No Data Available
VOC (Vol.)	No Data Available	VOC (Wt.)	56.2 g/L
Volatiles (Vol)	No Data Available	Volatiles (Wt.)	No Data Available
Evaporation Rate	No Data Available		
Flammability			
Flash Point	> 300F (COC)	UEL	No Data Available
LEL	No Data Available	Autoignition	No Data Available
Self-Accelerating Decomposition Temperature (SADT)	No Data Available	Heat of Combustion (ΔH_c)	No Data Available
Burning Time	No Data Available	Flame Height	No Data Available
Flame Extension	No Data Available	Ignition Distance	No Data Available
Flame Duration	No Data Available	Flammability (solid, gas)	No Data Available
Environmental			
Half-Life	Not relevant	Octanol/Water Partition coefficient	Not relevant
Coefficient of water/oil distribution	Not relevant	Bioaccumulation Factor	Not relevant
Bioconcentration Factor	Not relevant	Biochemical Oxygen Demand BOD/BOD5	Not relevant
Chemical Oxygen Demand	Not relevant	Persistence	Not relevant
Degradation	Not relevant		

Section 10: Stability and Reactivity

Reactivity No dangerous reaction known under conditions of normal use.

Chemical stability Stable

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Mineral oil, petroleum distillates, hydrotreated (severe) light naphthenic (80% TO 90%)	64742-53-6	Acute Toxicity: Ingestion/Oral-Rat LDLo • >5 g/kg; <i>Behavioral:Somnolence (general depressed activity); Irritation:</i> Eye-Rabbit • 0.1 mL
Petroleum sulfonic acids, sodium salts (1% TO 5%)	68608-26-4	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5 g/kg; <i>Nutritional and Gross Metabolic:Gross Metabolite Changes:Weight loss or decreased weight gain</i>

GHS Properties	Classification
Acute toxicity	UN GHS •
Aspiration Hazard	UN GHS •
Carcinogenicity	UN GHS •
Germ Cell Mutagenicity	UN GHS •
Skin corrosion/Irritation	UN GHS •
Skin sensitization	UN GHS •
STOT-RE	UN GHS •
STOT-SE	UN GHS •
Toxicity for Reproduction	UN GHS •
Respiratory sensitization	UN GHS •
Serious eye damage/Irritation	UN GHS • Eye Irritation 2A

Route(s) of entry/exposure Eye

Potential Health Effects

Inhalation

Acute (Immediate) May cause irritation.
Chronic (Delayed) No data available

Skin

Acute (Immediate) May cause skin irritation.
Chronic (Delayed) No data available

Eye

Acute (Immediate) May cause eye irritation.
Chronic (Delayed) No data available

Ingestion

Acute (Immediate) May cause irritation.
Chronic (Delayed) No data available

Section 12 - Ecological Information

Toxicity	Data lacking.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available
Mobility in Soil	No data available
Other adverse effects	

Section 13 - Disposal Considerations

Waste treatment methods

Product waste	Avoid contact of spilled material with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.
Packaging waste	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

Special precautions for user No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Other information: No data available

Section 15 - Regulatory Information

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

SARA Hazard Classifications No data available

TSCA Inventory: All the components of this product are listed on, or are automatically included as 'natural occurring chemical substances on, or are exempted from the requirements to be listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

This product contains materials on the New Jersey Worker and Community Right-to-Know Act

This product contains materials on the Massachusetts Right-to-Know Act substance list.

This product contains materials on the Pennsylvania Right-to-Know Act hazardous substance list.

Section 16 - Other Information

Last Revision Date June 1, 2015
Preparation Date June 1, 2015

Disclaimer/Statement of Liability

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