Hot Shot Degreaser

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard and the Hazardous Products Regulation (WHMIS 2015)

Issue date: 11/10/2024 Revision date: 11/10/2024 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Trade name	:	Hot Shot Degreaser
Product code	:	J4055, J4030, J4005, J400

1.2. Recommended use and restrictions on use

Recommended use	:	Automotive Care Products, Degreaser
Restrictions on use	:	None known

1.3. Supplier

P&S Sales, Inc.
20943 Cabot Blvd.
Hayward, CA 94545
T 510-732-2628
dave@pssales.com

1.4. Emergency telephone number

Emergency number	:	1-800-255-3924

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Corrosive to metals Category 1	May be corrosive to metals
Skin corrosion/irritation Category 1	Causes severe skin burns and eye damage
Serious eye damage Category 1	Causes serious eye damage
Hazardous to the aquatic environment – Acute Hazard Category 3	Harmful to aquatic life

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US)	:	Danger
Hazard statements (GHS US)	:	May be corrosive to metals Causes severe skin burns and eye damage Causes serious eye damage Harmful to aquatic life
Precautionary statements (GHS US)	:	Keep only in original container. Do not breathe mist. Wash hands thoroughly after handling. Avoid release to the environment. Wear eye protection, face protection, protective clothing, protective gloves. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor/physician.
Absorb spillage to prevent material-damage.
Store locked up.
Store in corrosive resistant container with a resistant inner liner.
Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : None known.

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Alcohols, C6-12, ethoxylated	CAS-No.: 68439-45-2	1 – 5
Sodium Metasilicate Pentahydrate	CAS-No.: 10213-79-3	1 – 5
Sodium Hydroxide	CAS-No.: 1310-73-2	1 – 5
C9-11 PARETH-6	CAS-No.: 68439-46-3	1 – 5

Comments : *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation : Move the affected person to fresh air. Get medical attention if symptoms occur.
First-aid measures after skin contact : Immediately flush skin with plenty of water for at least 15 minutes. Take off contaminated clothing. Get immediate medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms and effects (acute and delayed)

Inhalation : Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
Skin : Causes skin irritation. May cause burns.
Eyes : Causes serious eye damage. Permanent eye damage is possible.
Ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms : None known.

4.3. Immediate medical attention and special treatment, if necessary

Obtain emergency medical attention. Immediate medical attention is required for eye contact.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : None.

5.2. Specific hazards arising from the chemical

Fire hazard : This product is not classified as flammable or combustible.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO2). Phosphorus oxides.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray.
Protection during firefighting : Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing. Do not get in eyes, on skin, or on clothing.

6.1.1. For non-emergency personnel

Emergency procedures : Do not get in eyes, on skin, or on clothing. Avoid breathing mist, spray. Keep unnecessary and unprotected personnel away from the spillage.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Avoid breathing spray, mist. Wear personal protective equipment. Wash contaminated clothing before reuse. Wash hands with water and soap. Ensure adequate ventilation.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store at room temperature.
Incompatible materials : Strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium Hydroxide (1310-73-2)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Sodium hydroxide
ACGIH OEL Ceiling	2 mg/m³
Remark (ACGIH)	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Sodium hydroxide
OSHA PEL (TWA)	2 mg/m³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear impervious gloves. Consult glove manufacturer´s product information on material suitability and material thickness.

Eye protection:

Chemical goggles

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.
Color : dark red
Odor : citrus-like

Odor threshold	:	No data available
pH	:	> 13
Melting point	:	0 °C (32°F)
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	Not flammable
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	1.049
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	None.
Oxidizing properties	:	None.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong oxidizers. Strong acids.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Sodium Metasilicate Pentahydrate (10213-79-3)	
LD50 oral rat	1152 – 1349 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat (Vapours)	> 2.06 mg/l/4h

C9-11 PARETH-6 (68439-46-3)	
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 1.6 mg/l/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Sodium Hydroxide (1310-73-2)	
LD50 oral	Corrosive material. Acute toxicity (oral) Classification not possible
LD50 dermal	Corrosive material. Acute toxicity (dermal) Classification not possible.

Skin corrosion/irritation : Causes severe skin burns.
pH: > 13

Serious eye damage/irritation : Causes serious eye damage.
pH: > 13

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

C9-11 PARETH-6 (68439-46-3)	
NOAEL (oral,rat,90 days)	≥ 500 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Inhalation : Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

Skin : Causes skin irritation. May cause burns.

Eyes : Causes serious eye damage. Permanent eye damage is possible.

Ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : None known.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

Sodium Metasilicate Pentahydrate (10213-79-3)	
LC50 - Fish [1]	210 mg/l Brachydanio rerio (zebra-fish)
EC50 - Crustacea [1]	1700 mg/l Daphnia magna (Water flea)
ErC50 algae	> 345.4 mg/l Scenedesmus subspicatus

C9-11 PARETH-6 (68439-46-3)	
LC50 - Fish [1]	5 – 7 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	2.5 mg/l Test organisms (species): Daphnia magna

C9-11 PARETH-6 (68439-46-3)	
EC50 96h - Algae [1]	1.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Sodium Hydroxide (1310-73-2)	
EC50 - Crustacea [1]	40.4 mg/l

12.2. Persistence and degradability

Hot Shot Degreaser	
Persistence and degradability	No additional information available.

Sodium Metasilicate Pentahydrate (10213-79-3)	
Persistence and degradability	Biodegradation is not applicable to inorganic compounds.

Alcohols, C6-12, ethoxylated (68439-45-2)	
Persistence and degradability	Rapidly degradable

C9-11 PARETH-6 (68439-46-3)	
Persistence and degradability	Readily biodegradable.

Sodium Hydroxide (1310-73-2)	
Persistence and degradability	Biodegradation is not applicable to inorganic compounds.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Dispose of in accordance with applicable federal, state, and local regulations.

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
UN3266	3266	3266
14.2. Proper Shipping Name		
Corrosive liquid, basic, inorganic, n.o.s. (Sodium Metasilicate Pentahydrate ; Sodium Hydroxide)	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium Metasilicate Pentahydrate ; Sodium Hydroxide)	Corrosive liquid, basic, inorganic, n.o.s. (Sodium Metasilicate Pentahydrate ; Sodium Hydroxide)

DOT	IMDG	IATA
14.3. Transport hazard class(es)		
8	8	8
		
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
These products can be shipped by ground in the USA as limited quantities per 49CFR 173.154 in 5 liter (1.3 gal) containers when packaged in compliance with requirements.		

14.6. Special precautions for user

DOT

UN-No.(DOT) : UN3266

DOT Special Provisions (49 CFR 172.102) : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 154

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT Vessel Stowage Location : A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.

DOT Vessel Stowage Other : 40 - Stow ‘‘clear of living quarters’’,52 - Stow ‘‘separated from’’ acids

IMDG

Special provision (IMDG) : 223, 274

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T7

Tank special provisions (IMDG) : TP1, TP28

EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE

EmS-No. (Spillage) : S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES

Stowage category (IMDG)	:	A
Stowage and handling (IMDG)	:	SW2
Segregation (IMDG)	:	SGG18, SG35
Properties and observations (IMDG)	:	Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.

IATA

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y841
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	852
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	856
CAO max net quantity (IATA)	:	60L
Special provision (IATA)	:	A3, A803
ERG code (IATA)	:	8L

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Hot Shot Degreaser	
SARA Section 311/312 Hazard Classes	Refer to Section 2 for OSHA Hazard Classification.

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Sodium Hydroxide (1310-73-2)	
CERCLA RQ	1000 lb

15.2. International regulations

CANADA

Alcohols, C6-12, ethoxylated (68439-45-2)
Listed on the Canadian DSL (Domestic Substances List)

C9-11 PARETH-6 (68439-46-3)
Listed on the Canadian DSL (Domestic Substances List)

Sodium Hydroxide (1310-73-2)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Sodium Metasilicate Pentahydrate (10213-79-3)
Listed on the Canadian DSL (Domestic Substances List)

Alcohols, C6-12, ethoxylated (68439-45-2)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

C9-11 PARETH-6 (68439-46-3)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Sodium Hydroxide (1310-73-2)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

WARNING: This product can expose you to chemicals including Ethylene oxide (Oxirane), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
Sodium Hydroxide(1310-73-2)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard and the Hazardous Products Regulation (WHMIS 2015)

Revision date : 11/10/2024

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.