SAFETY DATA SHEET

Hair and Grease® **Revision Date** 5/18/2023

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name **Instant Power Hair and Grease®**

Item 1969, 1970, 1971, 1972

Product Use Drain Opener

Company Name Instant Power Corporation
1255 Viceroy
Dallas TX 75247

Office (214) 459-9315
Fax (214) 943-1306
Web www.myinstantpower.com

EMERGENCY TELEPHONE NUMBER **CHEMTREC (800) 424-9300** **INTERNATIONAL + 1-703-741-5970**

SECTION – 2 HAZARD IDENTIFICATION

Pictogram

Classification in accordance with (29 CFR 1910.1200) US OSHA / HCS 2012 regulation

Signal Word Danger

Hazards

PHYSICAL / HEALTH / ENVIRONMENTAL HAZARD STATEMENTS	HAZARD CATEGORY CLASSIFICATION		CODE
May be corrosive to metals	Category 1	Corrosive to Metals	H290
Harmful if swallowed	Category 4	Acute Toxicity (Oral)	H302
Causes severe skin burns and eye damage	Category 1A	Skin & Eye (Corrosion)	H314
Causes serious eye damage	Category 1	Eye (Damage / Irritation)	H318
Harmful to aquatic life	Category 3	Acute Toxicity (Aquatic)	H402

Precautions

HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL	CODE
If medical advice is needed, have product container or label at hand	P101
Keep out of reach of children	P102
Read label before use	P103
Keep only in original container	P234
Avoid breathing dust / fume / gas / mist / vapours / spray	P261
Do not get in eyes, on skin, or on clothing	P262
Wash thoroughly after handling	P264
Do not eat, drink or smoke when using this product	P270
Avoid release to the environment	P273
Wear protective gloves / protective clothing / eye protection / face protection	P280
Absorb spillage to prevent material damage	P390
Store locked up	P405
Store in corrosive resistant container	P406
Dispose of material in accordance with all State and Federal Guidelines and Regulations	P501

SECTION – 3 COMPOSITION INFORMATION

(Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Sodium Hydroxide	Caustic Soda	1310-73-2	Water < 50%	35 - 60%
Potassium Hydroxide	KOH, Caustic Potash	1310-58-3	Water < 65%	1 - 3%

SECTION – 4 FIRST AID MEASURES

Eye Contact Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, Obtain immediate medical attention, preferably from an ophthalmologist or Emergency Room

Skin Contact Immediately wash affected area for 15 minutes at sink or drench shower, Be sure to remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical attention

Inhaled Not applicable under normal use. If irritation is experienced, move person to fresh air

Ingested DO NOT INDUCE VOMITING, unless directed to do so by medical personnel, If person is fully conscious, rinse mouth with water, Call a physician, or poison control center, and get medical attention, If vomiting occurs, keep head below hips to prevent aspiration into the lungs

Important Effects Corrosive to, eyes, mucous membranes, skin

Important Symptoms Symptoms may include, corrosive burns to eyes or skin, skin ulceration, vision impairment

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable: Use extinguishing media for surrounding fire
Explosion Hazard	Not applicable
Hazardous Decomposition	Burning or thermal decomposition can produce, potassium oxides, sodium oxides
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill, Stop spill or release only if it can be done safely, Keep unprotected personnel from entering the hazard area, Ventilate area
Personal Precautions	Follow all safety precautions, Wear Personal Protective Equipment, Do not walk through spill, Contaminated surfaces will be extremely slippery
Protective Equipment	Safety Glasses, Gloves, Chemical Apron, Rubber Boots
Containment	Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from entering the environment
Clean Up Procedures	Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water, Large Spills: Absorb spill with inert material, place in a chemical waste container, mop area with clean water
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Do not get in eyes, on skin, or clothing, Avoid breathing mist, vapors or fumes, Use appropriate safety equipment, and adequate ventilation, Do not smoke, eat or drink while using, Wash thoroughly with soap and water after handling, Avoid release to the environment
Storage	Keep Out Of Reach Of Children, Keep container closed when not in use, Store in a cool place away from incompatible materials, Do not transfer product to other containers. Store only in the original corrosive resistant container
Incompatible Materials	Incompatible with, acid anhydrides, flammable liquids, nitro compounds, organic halogens, strong oxidizing agents, amphoteric metals, aluminum, magnesium, zinc

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA (TWA 8)	OSHA (CEIL)	NIOSH (TWA 10)	NIOSH (STEL)	Significant Exposure
Potassium Hydroxide	2 mg/m³		2 mg/m³				ED,SD
Sodium Hydroxide		CEIL 2 mg/m³	2 mg/m³			CEIL 2 mg/m³	ED,SD

PERSONAL PROTECTION

HMIS HAZARD RATINGS

Health	3
Flammability	0
Reactivity	1
Personal Protection	C

Eyes	Wear safety glasses or goggles or face shield when handling / using this material
Hands	Wear chemical resistant impervious gloves when handling / using this material
Body	"If Situation Requires" - Wear chemical resistant impervious protective clothing if exposure is considered to be likely when handling / using this material
Response	Access to a drench shower with eye wash station is a recommended safety precaution for handling / using this type of material
Ventilation	General Ventilation, If exposure limits listed above are exceeded, or irritation is experienced, use a MSHA / NIOSH approved respirator

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	> 93.3ºC (200ºF) - TAG Closed Cup	**Specific Gravity / Density**	~ 1.45
Flammable Limits (v)	NA	**pH (± 0.3)**	~ 14.0
Auto-Ignition Temp.	NA	**Viscosity (mm²s / cSt)**	ND
Physical State	Liquid	**Melting / Freeze Point**	ND
Appearance	Clear	**Boiling Point**	ND
Odor	Odorless	**Vapor Density (air=1)**	ND
Odor Threshold	NA	**Vapor Pressure (mmHg)**	ND
Solubility	100% (Miscible)	**Evaporation Rate (nBuAc=1)**	ND
Volatiles	< 72%	**Partition Coefficient**	ND
VOC	0%	**Molecular Weight (g/mol)**	~ 20.15
LVP-VOC	0%	**Decomposition Temperature**	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients
Chemical Stability	Stable under normal ambient and anticipated conditions of use
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, acid anhydrides, flammable liquids, nitro compounds, organic halogens, strong oxidizing agents, amphoteric metals, aluminum, magnesium, zinc
Hazardous Decomposition	Burning or thermal decomposition can produce, potassium oxides, sodium oxides

SECTION – 11 TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE

Eyes (Yes), Skin (Yes), Ingestion (Yes), Inhalation (Yes)

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	Causes serious eye damage, corrosive burns, corneal injury, vision impairment
Skin	Can cause serious skin damage
Inhalation	Mist, vapor or fumes may cause, mucosal irritations
Ingestion	Harmful if swallowed, Ingestion can affect, mucous membranes, stomach, gastrointestinal tract, Symptoms may include, burning of the, mouth and throat, gastrointestinal irritation, digestive tract burns, headache, nausea, vomiting, abdominal pain

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes serious eye damage, corrosive burns, corneal injury, partial or complete blindness
Skin	Causes serious skin damage, ulcerations, or chemical burns
Inhalation	Mist, vapor or fumes can cause, respiratory or mucosal irritations
Ingestion	Harmful if swallowed, Ingestion can affect, mucous membranes, lungs, gastrointestinal tract, respiratory system, stomach, Symptoms may include, burning of the, mouth and throat, digestive tract burns, nausea, vomiting, abdominal pain, bleeding, death is possible, pulmonary edema

Acute Tox Calculated **Oral:** 691 mg/kg **Dermal:** 3,475 mg/kg **Inhaled:** > 50 mg/l

Acute Tox Category	Category 4 (Oral >300, ≤2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >5 mg/l) Dust or Mist
Target Organs	Mucous Membranes, Skin, Eyes
Medical Conditions	Preexisting, eye, skin, mucous membranes, disorders may be aggravated by exposure to this product
Notes to Physician	Contains Sodium Hydroxide, vomiting may cause aspiration pneumonia

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME	NTP	ACGIH	IARC	GHS Category
None Listed	NA	NA	NA	NA

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME	Germ Cell Mutagenicity	Toxic to Reproduction
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

CHEMICAL NAME	Type	Form	Subject	Result Value	Exposure Time	GHS Category
Potassium Hydroxide	LD50	Oral	Rat	410 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rabbit	> 2520 mg/kg		(>2000 mg/kg)
Sodium Hydroxide	LD50	Oral	Rabbit	400 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rabbit	> 2,000 mg/kg		(>2000 mg/kg)

SECTION – 12 ECOLOGICAL INFORMATION

CHEMICAL NAME	Type	Subject	Subject Latin	Result Value	Exposure Time	GHS Category
Potassium Hydroxide	LC50	Mosquito Fish	(Gambusia affinis)	80 mg/l	24 Hours	3 (>10, ≤100 mg/l)
Sodium Hydroxide	LC50	Bluegill	(Lepomis macrochirus)	99 mg/l	48 Hours	3 (>10, ≤100 mg/l)
	LC50	Brown shrimp	(Crangon crangon)	30 mg/l	48 Hours	3 (>10, ≤100 mg/l)
	LC50	Mosquito Fish	(Gambusia affinis)	125 mg/l	96 Hours	4 (>100 mg/l)

Presistence And Degradability	There is no degradation of potassium or sodium hydroxide in waters, only loss by absorption or through chemical neutralization
Bioaccumulative Potential	Does not bioaccumulate due to its high solubility in water
Mobility In Soil	This material is a mobile liquid
Other Adverse Effects	Harmful to aquatic life

SECTION – 13 DISPOSAL CONSIDERATIONS

Disposal Statement DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER
Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

Container Disposal Empty containers retain product residue (vapors, liquid or solid) observe all precautions when handling, Triple rinse container then offer for recycling. If not available, puncture and dispose in a sanitary landfill

Material Disposal This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its composition containing in some or all of its components, Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste, Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate

SECTION – 14 TRANSPORT INFORMATION

DOT CLASSIFICATION

UN Number **Proper Shipping Name** n.o.s. (Chemicals) or "Limits"

Ltd Qty "Limited Quantity" n.o.s.(Potassium Hydroxide, Sodium Hydroxide)

Hazard Class	Packing Group	Label Codes	Reportable Quantity (lb)	Response	Marine Pollutant	Hazard Label	Secondary
8	II	Ltd Qty	(3,448) = 1,000 Sodium Hydroxide	154	No		

Additional Info: "Limited Quantity" PGII Corrosive Liquids, inner packagings not over 1.0 L (0.3 gallon) net capacity each, packed in a strong outer packaging

UN Number **Proper Shipping Name** n.o.s. (Chemicals) or "Limits"

UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, n.o.s.(Potassium Hydroxide, Sodium Hydroxide)

Hazard Class	Packing Group	Label Codes	Reportable Quantity (lb)	Response	Marine Pollutant	Hazard Label	Secondary
8	II	Corrosive Liquid	(3,448) = 1,000 Sodium Hydroxide	154	No		

Additional Info:

SECTION – 15 REGULATORY INFORMATION

TSCA

CHEMICAL NAME	Sec 8(b) Active Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Sodium Hydroxide	Yes			
Potassium Hydroxide	Yes	Yes		

REPORTABLE QUANTITIES

CHEMICAL NAME	Extremely Hazardous EPCRA TPQ Sec 302	Extremely Hazardous EPCRA RQ Sec 304	Reportable Quantity CERCLA RQ Sec 103	Emission Reporting TRI Sec 313	RCRA Code	RMP TQ Sec 112r
Potassium Hydroxide			1000			
Sodium Hydroxide			1000			

SARA

CHEMICAL NAME	Section 311 Hazardous Chemical	Section 311 / 312 Hazards Acute	Chronic	Flammable	Pressure	Reactive
Sodium Hydroxide	Yes	Yes				
Potassium Hydroxide	Yes	Yes	Yes			

RIGHT TO KNOW

CHEMICAL NAME	STATE CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Sodium Hydroxide						Yes		Yes			Yes		
Potassium Hydroxide	Yes		Yes			Yes	Yes	Yes		Yes	Yes		

CALIFORNIA **WARNING: This Product can expose you to chemicals (Listed below) known to the State of California to cause cancer, birth defects or reproductive harm. For more information go to** www.P65Warnings.ca.gov

CHEMICAL NAME	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
None Listed					

CLEAN AIR WATER ACTS

CHEMICAL NAME	CAS #	Clean Air Acts HAP	Ozone Class 1	Ozone Class 2	Clean Water Acts HS	PP	TP
None Listed							

INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Sodium Hydroxide	Yes	Yes	Yes	Yes	Yes	Yes

SECTION – 16 OTHER INFORMATION

SDS	LEGEND DESCRIPTION
~	Approximately
ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service Registry
CEIL	Ceiling Limit (15 minutes)
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act
CI	Cochlear Impairment
CNS	Central Nervous System
EC50	Concentration of a chemical that gives half-maximal response
EPA	Environmental Protection Agency
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)
FBG	Full Bunker Gear
GHS	Globally Harmonized System
HAP	California Hazardous Air Pollutant Clean Air Act
HMIS-A	Safety glasses
HMIS-B	Safety glasses, gloves
HMIS-C	Safety glasses, gloves, chemical apron
HMIS-D	Face shield, gloves, chemical apron
HMIS-E	Safety glasses, gloves, dust respirator
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator
HMIS-G	Safety glasses, gloves, vapor respirator
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator
HMIS-I	Safety glasses, gloves, dust and vapor respirator
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots
HMIS-X	Ask Supervisor
HS	California Hazardous Substance under the Clean Water Act
IG / IH	(IG = Ingested) / (IH = Inhaled - Vapors / Mists / Gas)
KD	Kidney Damage (nephropathy)
LC50	A concentration that is lethal to 50% of a given species in a given time
LD50	Dose that is lethal to 50% of a given species by a given route of exposure
LEL	Lower Explosive Limit
LD	Liver Damage
NA	Not Applicable
ND	Not Determined
NE	Not Established
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit (OSHA)
PNS	Peripheral Nervous System
PP	California Priority Pollutant under the Clean Water Act
REL	Recommended exposure limit (NIOSH)
RT	Upper Respiratory Tract
Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
SARA	Superfund Amendments and Reauthorization Act
STEL	Short Term Exposure Limit (15 minutes)
TC Lo	Lowest concentration that is toxic to a given species in a given time
TD Lo	Lowest dose that is toxic to a given species
TLV	Threshold Limit Value (ACGIH)
TP	California Toxic Pollutant under the Clean Water Act
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average (8 hours) - NOISH (10 hours)
UEL	Upper Explosive Limit

Instant Power Corporation