

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Instant Power	Item	1969, 1970, 1971, 1972
Product Name	Hair and Grease®		
Product Use	Drain Opener		
Company Name	Instant Power Corporation	Office	(214) 459-9315
	1255 Viceroy	Fax	(214) 943-1306
	Dallas TX 75247	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

May be corrosive to metals
Harmful if swallowed
Causes severe skin burns and eye damage
Causes serious eye damage
Harmful to aquatic life

HAZARD CATEGORY CLASSIFICATION CODE

Category 1	Corrosive to Metals	H290
Category 4	Acute Toxicity (Oral)	H302
Category 1A	Skin & Eye (Corrosion)	H314
Category 1	Eye (Damage / Irritation)	H318
Category 3	Acute Toxicity (Aquatic)	H402

Precautions HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL

If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use
Keep only in original container
Avoid breathing dust / fume / gas / mist / vapours / spray
Do not get in eyes, on skin, or on clothing
Wash thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid release to the environment
Wear protective gloves / protective clothing / eye protection / face protection
Absorb spillage to prevent material damage
Store locked up
Store in corrosive resistant container
Dispose of material in accordance with all State and Federal Guidelines and Regulations

CODE

P101
P102
P103
P234
P261
P262
P264
P270
P273
P280
P390
P405
P406
P501

SECTION – 3 COMPOSITION INFORMATION

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

<u>CHEMICAL NAME</u>	<u>COMMON NAME AND SYNONYMS</u>	<u>CAS #</u>	<u>IMPURITIES</u>	<u>PERCENT</u>
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	> 93.3°C (200°F) - 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:

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
None Listed	NA	NA	NA	NA

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

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
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

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
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	Reportable Quantity	Emission Reporting	RCRA Code	RMP TQ Sec 112r
Potassium Hydroxide	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	
Sodium Hydroxide			1000		
			1000		

SARA

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

RIGHT TO KNOW

CHEMICAL NAME	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	Clean Water Acts			
		HAP	Ozone Class 1	Ozone Class 2	HS	PP
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	KD	Kidney Damage (nephropathy)
ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NE	Not Established
EPA	Environmental Protection Agency	NFPA	National Fire Protection Association
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NIOSH	National Institute for Occupational Safety and Health
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous Air Pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours) - NOISH (10 hours)
IG / IH	(IG = Ingested) / (IH = Inhaled - Vapors / Mists / Gas)	UEL	Upper Explosive Limit

Instant Power Corporation

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